

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
 Data File : BF104540.D
 Acq On : 16 Apr 2018 18:41
 Operator : JU/SJ
 Sample : J2394-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1-1-2-DENSE-GRADE-AGG-RCA

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0
 Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.381	385	390	396	rBV	296467	328734	9.21%	0.741%
2	5.028	492	500	503	rBV	1891881	2765274	77.48%	6.234%
3	5.393	559	562	564	rBV	98506	94130	2.64%	0.212%
4	5.422	564	567	581	rVB	573386	544620	15.26%	1.228%
5	6.040	667	672	680	rBV	135282	195406	5.48%	0.440%
6	6.322	715	720	724	rBV	56070	73931	2.07%	0.167%
7	6.445	736	741	753	rBV	2035165	2006318	56.22%	4.523%
8	6.575	759	763	767	rBV	1062479	860131	24.10%	1.939%
9	6.810	799	803	806	rBV	990539	850203	23.82%	1.917%
10	6.863	809	812	816	rBV	221227	195004	5.46%	0.440%
11	6.963	825	829	833	rVB	2682280	2501793	70.10%	5.640%
12	7.375	894	899	902	rBV	2190344	1988293	55.71%	4.482%
13	7.986	1000	1003	1007	rBV	142912	134514	3.77%	0.303%
14	8.092	1018	1021	1023	rBV	1367718	1068944	29.95%	2.410%
15	8.681	1118	1121	1125	rVB	67124	57538	1.61%	0.130%
16	8.804	1139	1142	1145	rBV	86898	69411	1.94%	0.156%
17	9.169	1199	1204	1207	rBV	3903842	3568918	100.00%	8.045%
18	9.245	1213	1217	1219	rBV	166842	133569	3.74%	0.301%
19	9.281	1219	1223	1227	rVB2	155822	150325	4.21%	0.339%
20	9.433	1245	1249	1254	rBV3	49253	64324	1.80%	0.145%
21	9.504	1258	1261	1263	rBV2	71435	69993	1.96%	0.158%
22	9.563	1267	1271	1274	rBV	613819	534347	14.97%	1.205%
23	9.645	1283	1285	1291	rVB2	100862	110153	3.09%	0.248%
24	9.757	1300	1304	1305	rBV	47347	54547	1.53%	0.123%
25	9.775	1305	1307	1309	rVV	320492	232119	6.50%	0.523%
26	9.804	1309	1312	1315	rVV	1430349	1104956	30.96%	2.491%
27	9.851	1316	1320	1323	rVV	1244582	1229059	34.44%	2.771%
28	9.880	1323	1325	1328	rVB	94204	74472	2.09%	0.168%
29	10.004	1342	1346	1349	rBV5	51076	77327	2.17%	0.174%
30	10.051	1352	1354	1358	rVB3	79079	89682	2.51%	0.202%
31	10.092	1358	1361	1365	rBV3	90361	108328	3.04%	0.244%
32	10.245	1384	1387	1390	rBV	475584	443566	12.43%	1.000%
33	10.275	1390	1392	1395	rVB	453644	327957	9.19%	0.739%
34	10.357	1403	1406	1409	rVB	96806	72303	2.03%	0.163%

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.392	1409	1412	1415	rBV2	59673	67705	1.90%	0.153%
36	10.422	1415	1417	1422	rVB	112278	82663	2.32%	0.186%
37	10.475	1423	1426	1427	rVV	144409	128473	3.60%	0.290%
38	10.492	1427	1429	1435	rVB	131227	156436	4.38%	0.353%
39	10.551	1436	1439	1442	rVB2	51050	47997	1.34%	0.108%
40	10.633	1451	1453	1461	rVB	185935	174229	4.88%	0.393%
41	10.751	1469	1473	1478	rBV	2188144	2010463	56.33%	4.532%
42	10.792	1478	1480	1481	rVV	189734	140056	3.92%	0.316%
43	10.810	1481	1483	1487	rVB2	211546	190566	5.34%	0.430%
44	10.851	1487	1490	1492	rBV2	91434	87385	2.45%	0.197%
45	10.880	1492	1495	1502	rVB2	727296	755036	21.16%	1.702%
46	10.957	1502	1508	1510	rBV3	113188	220942	6.19%	0.498%
47	11.004	1513	1516	1519	rVB4	63483	72304	2.03%	0.163%
48	11.033	1519	1521	1523	rBV	113949	80460	2.25%	0.181%
49	11.075	1523	1528	1530	rBV2	89831	113636	3.18%	0.256%
50	11.133	1535	1538	1542	rVV3	60015	100331	2.81%	0.226%
51	11.169	1542	1544	1546	rVV	74314	68365	1.92%	0.154%
52	11.198	1546	1549	1552	rVV	561901	561193	15.72%	1.265%
53	11.227	1552	1554	1560	rVB3	207153	221112	6.20%	0.498%
54	11.339	1569	1573	1575	rBV	1359303	1166531	32.69%	2.630%
55	11.363	1575	1577	1583	rVV	547631	508998	14.26%	1.147%
56	11.410	1583	1585	1587	rVV	96212	83210	2.33%	0.188%
57	11.445	1587	1591	1594	rVB4	67338	107133	3.00%	0.242%
58	11.510	1600	1602	1605	rVB	173578	137277	3.85%	0.309%
59	11.574	1610	1613	1617	rVB2	66158	90530	2.54%	0.204%
60	11.627	1618	1622	1625	rBV	265644	224909	6.30%	0.507%
61	11.839	1655	1658	1660	rBV	70446	63479	1.78%	0.143%
62	11.863	1660	1662	1664	rVV	91343	91141	2.55%	0.205%
63	11.886	1664	1666	1670	rVV2	130934	190878	5.35%	0.430%
64	11.951	1674	1677	1679	rVV2	113188	122119	3.42%	0.275%
65	11.974	1679	1681	1684	rVB	73326	59317	1.66%	0.134%
66	12.033	1688	1691	1695	rBV	239796	193035	5.41%	0.435%
67	12.316	1736	1739	1741	rBV	78938	66797	1.87%	0.151%
68	12.386	1748	1751	1754	rVB2	83088	90313	2.53%	0.204%
69	12.422	1754	1757	1763	rBV	193295	221920	6.22%	0.500%
70	12.551	1776	1779	1784	rBV	616644	535884	15.02%	1.208%
71	12.780	1813	1818	1824	rBV	475570	586843	16.44%	1.323%

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72	12.869	1831	1833	1835	rBV3	62501	53338	1.49%	0.120%
73	12.927	1839	1843	1846	rBV	2776196	2760923	77.36%	6.224%
74	13.339	1910	1913	1916	rVB	162973	158749	4.45%	0.358%
75	13.404	1921	1924	1927	rVB	120787	100966	2.83%	0.228%
76	13.468	1931	1935	1939	rBV3	1029969	1084728	30.39%	2.445%
77	13.533	1943	1946	1947	rVV	259637	254864	7.14%	0.575%
78	13.551	1947	1949	1953	rVB	1262960	1057045	29.62%	2.383%
79	13.633	1958	1963	1964	rBV	430656	439223	12.31%	0.990%
80	13.792	1987	1990	1992	rBV4	92976	125977	3.53%	0.284%
81	13.816	1992	1994	1998	rVB2	423004	415507	11.64%	0.937%
82	13.986	2018	2023	2025	rBV2	800185	948082	26.56%	2.137%
83	14.004	2025	2026	2029	rVV2	330372	251336	7.04%	0.567%
84	14.033	2029	2031	2033	rVV	174587	152834	4.28%	0.345%
85	14.080	2037	2039	2045	rVB3	93515	111554	3.13%	0.251%
86	14.133	2045	2048	2052	rBV2	320782	397768	11.15%	0.897%
87	14.498	2108	2110	2116	rVB5	92388	100900	2.83%	0.227%
88	14.621	2129	2131	2135	rVB	75474	81423	2.28%	0.184%
89	14.727	2146	2149	2153	rBV	78434	98245	2.75%	0.221%
90	14.815	2161	2164	2167	rVB	128939	120091	3.36%	0.271%
91	14.851	2168	2170	2177	rVV2	114904	130413	3.65%	0.294%
92	14.910	2178	2180	2184	rVB	121447	112854	3.16%	0.254%
93	15.021	2195	2199	2202	rBV2	172354	273203	7.66%	0.616%
94	15.321	2248	2250	2257	rVB	102747	138639	3.88%	0.313%
95	15.386	2258	2261	2266	rVB	137065	175580	4.92%	0.396%
96	15.451	2268	2272	2282	rVB	641886	885485	24.81%	1.996%
97	15.733	2318	2320	2324	rVB	114420	125572	3.52%	0.283%
98	15.786	2325	2329	2339	rVB2	274297	548587	15.37%	1.237%
99	15.951	2353	2357	2371	rVB	294948	523439	14.67%	1.180%
100	16.680	2475	2481	2487	rBV	289143	733979	20.57%	1.655%

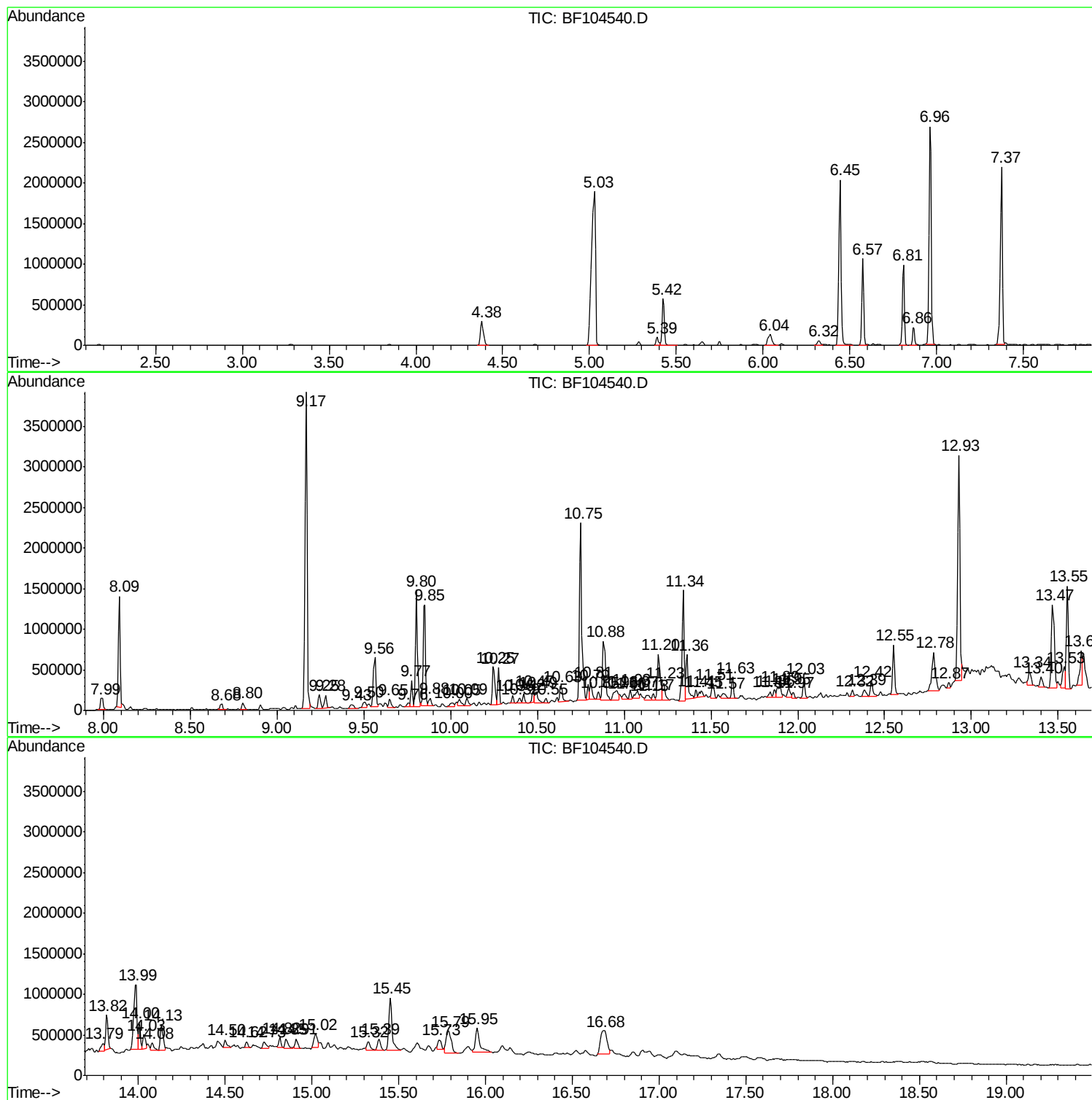
Sum of corrected areas: 44361159

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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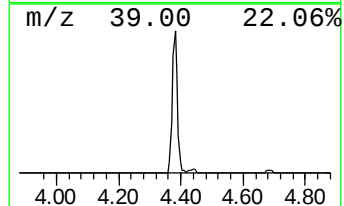
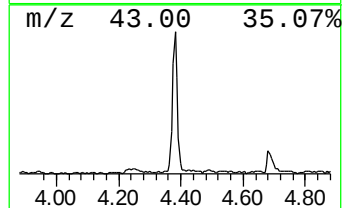
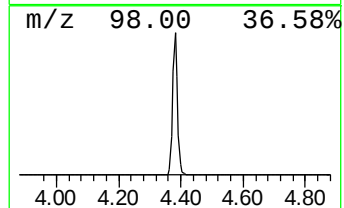
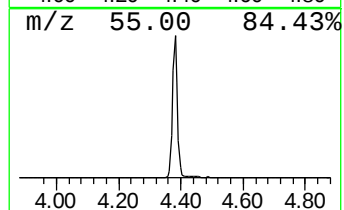
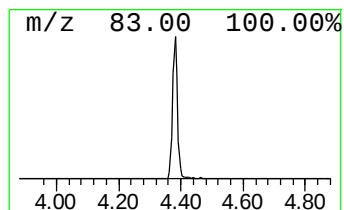
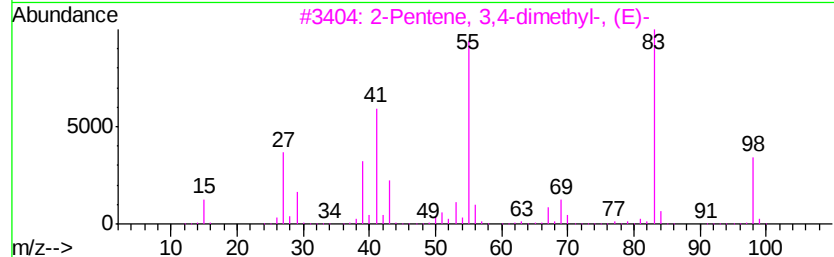
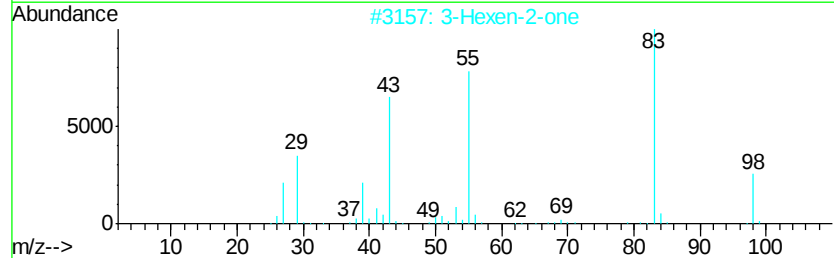
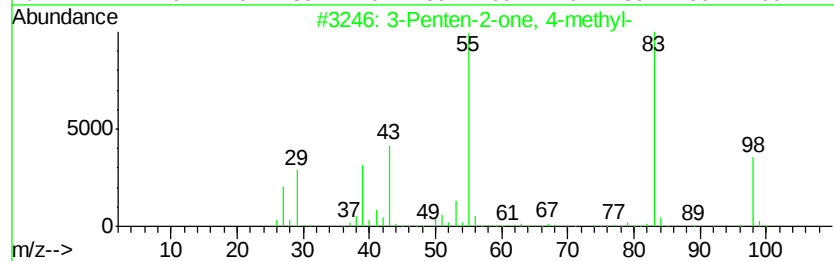
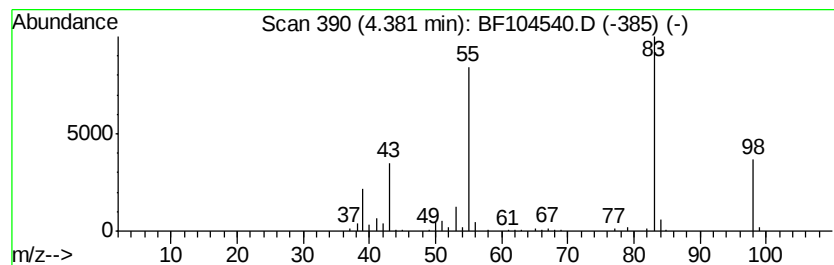
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.38	7.73 ng	328734	1,4-Dichlorobenzene-d4	6.81

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	95
2			3-Hexen-2-one	98	C6H10O	000763-93-9	91
3			2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
4			2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	86
5			2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	78



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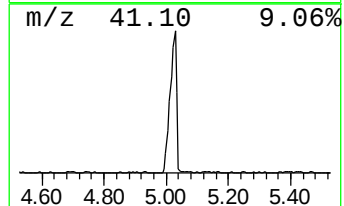
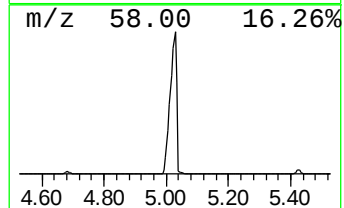
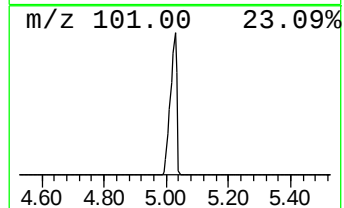
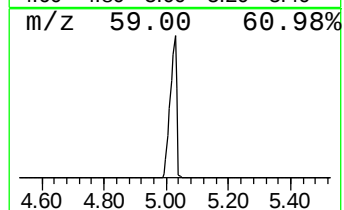
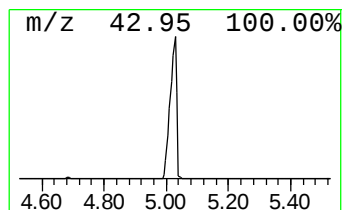
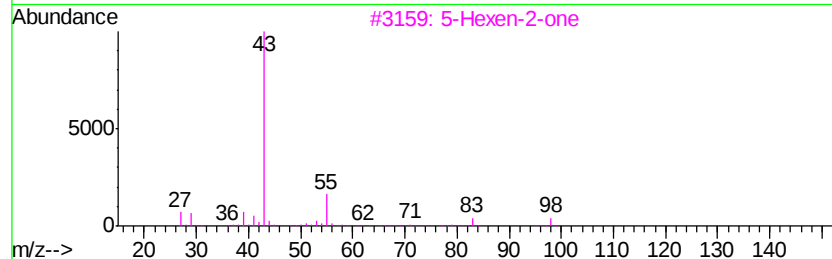
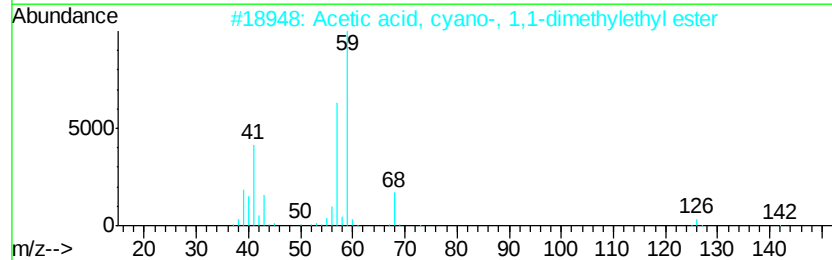
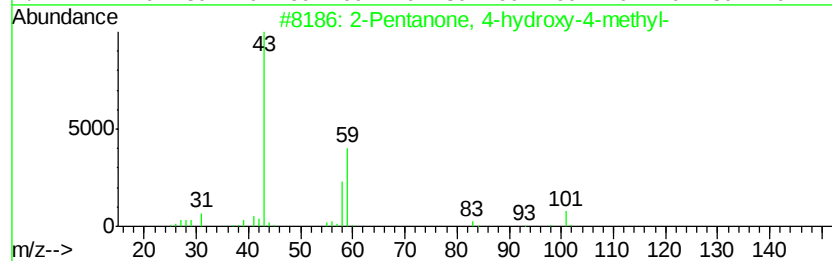
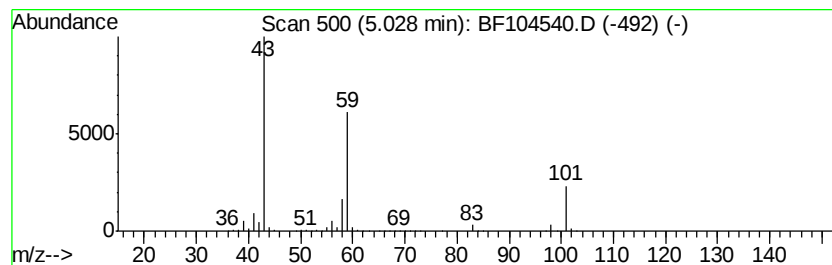
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TIC Integration Parameters: LSCINT.P

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.03	65.05 ng	2765270	1,4-Dichlorobenzene-d4	6.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2		Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	23
3		5-Hexen-2-one	98	C6H10O	000109-49-9	9
4		Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5		N,N'-Bis(2-methyl-2-nitrosopenta...	258	C12H22N2O4	094514-30-4	9



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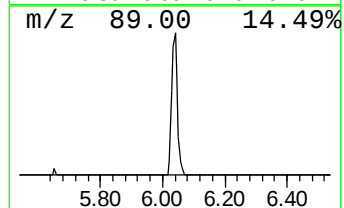
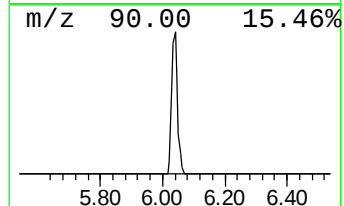
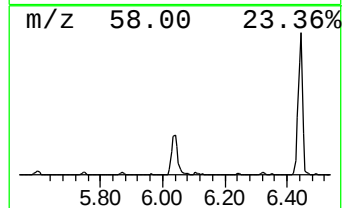
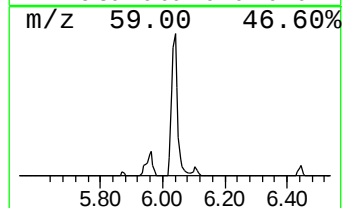
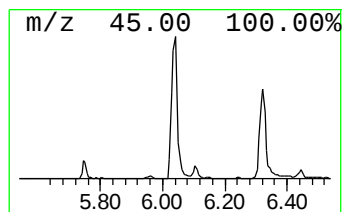
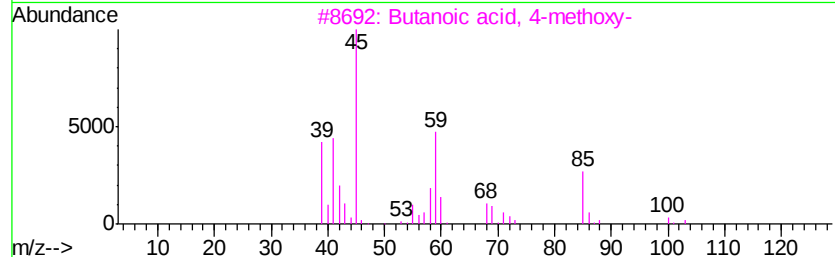
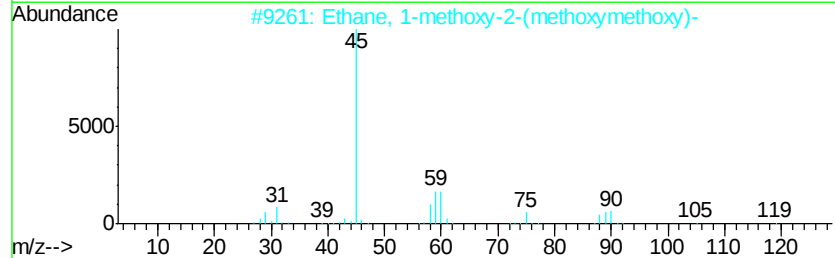
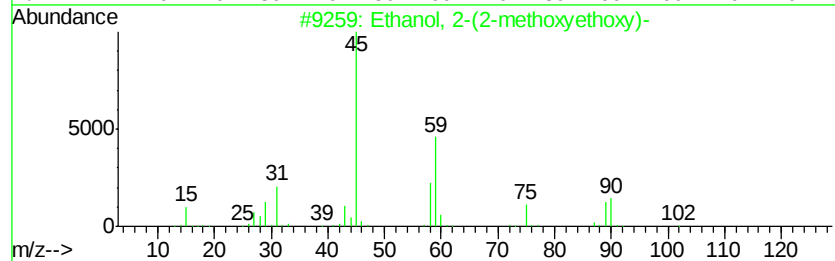
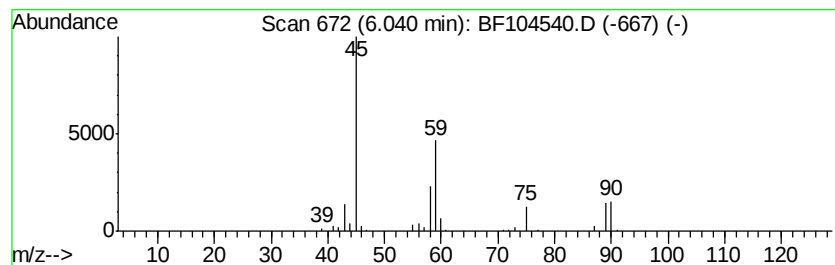
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Ethanol, 2-(2-methoxyethoxy)- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.04	4.60 ng	195406	1,4-Dichlorobenzene-d4	6.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Ethanol, 2-(2-methoxyethoxy)-	120	C5H12O3	000111-77-3	90
2		Ethane, 1-methoxy-2-(methoxymeth...	120	C5H12O3	074498-88-7	50
3		Butanoic acid, 4-methoxy-	118	C5H10O3	029006-02-8	50
4		Ethane, 1,2-dimethoxy-	90	C4H10O2	000110-71-4	43
5		2-Propanol, 1,1'-oxybis-	134	C6H14O3	000110-98-5	36



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041618\
Data File : BF104540.D
Acq On : 16 Apr 2018 18:41
Operator : JU/SJ
Sample : J2394-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
1-1-2-DENSE-GRADE-AGG-RCA

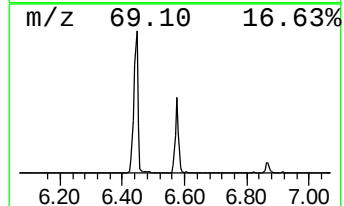
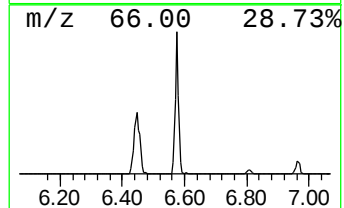
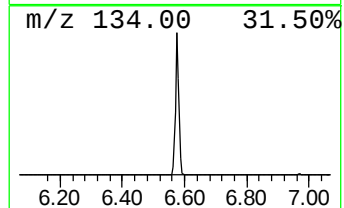
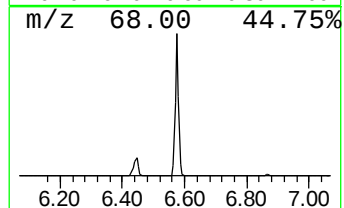
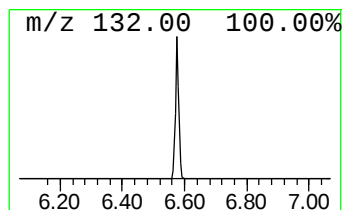
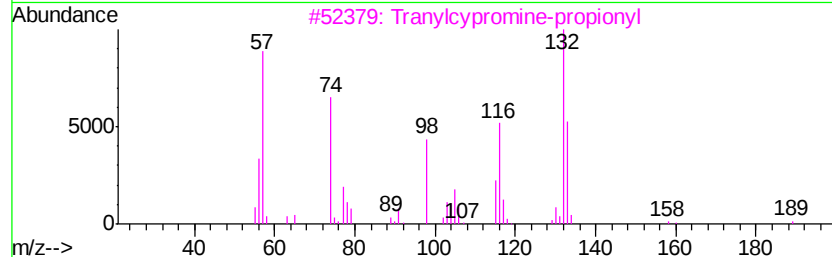
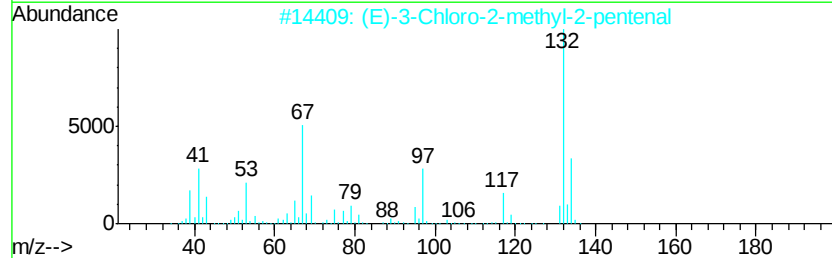
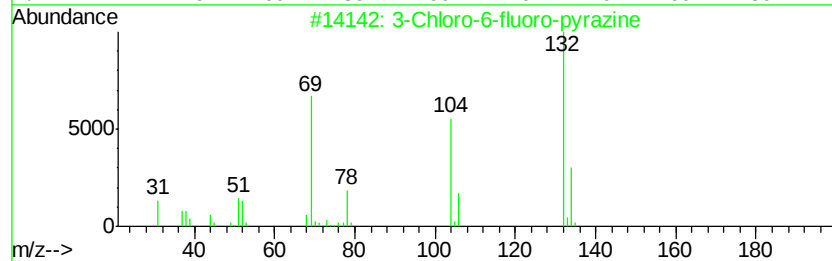
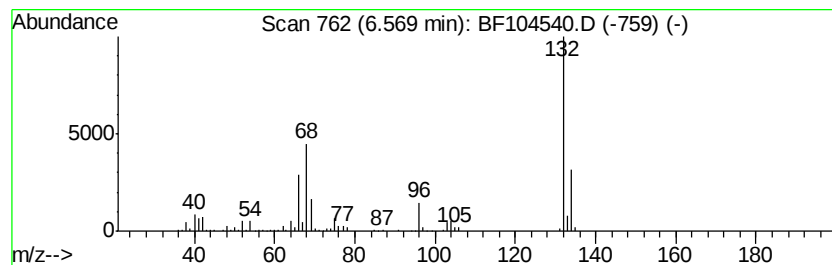
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 unknown6.57 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	20.23 ng	860131	1,4-Dichlorobenzene-d4	6.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3		Tranvlcyproline-propionyl	189	C12H15NO	1000123-86-3	10
4		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041618\
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Sample : J2394-01
Misc :
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Instrument :
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ClientSampleId :
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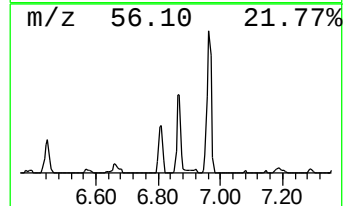
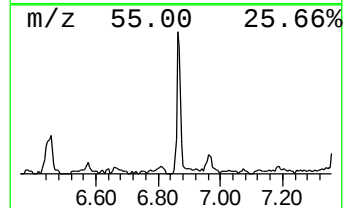
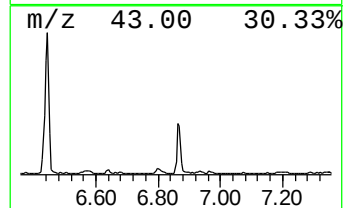
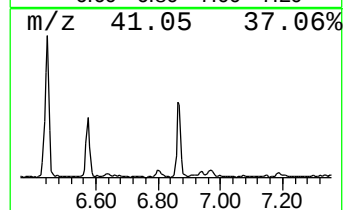
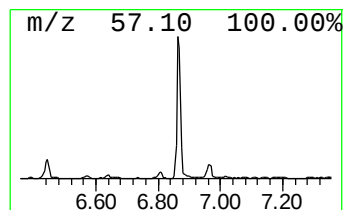
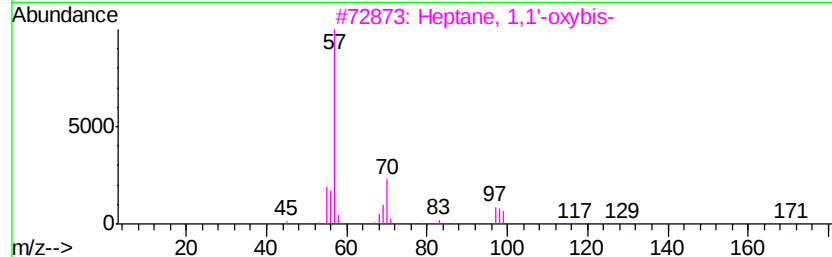
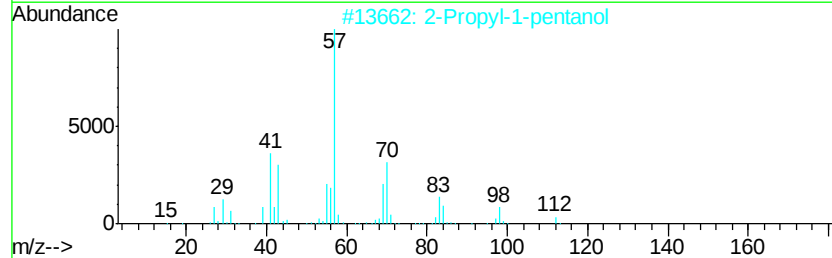
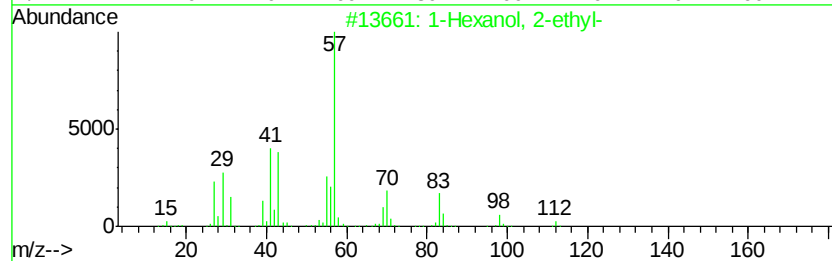
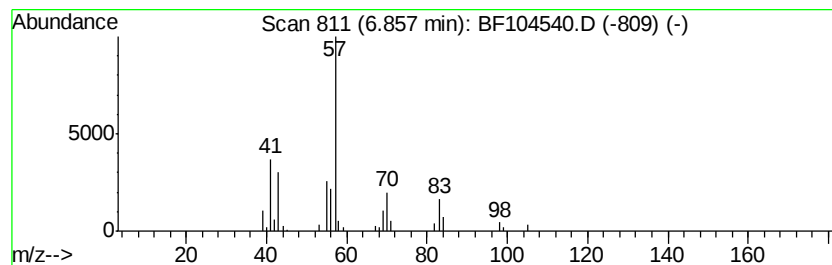
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 1-Hexanol, 2-ethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.86	4.59 ng	195004	1,4-Dichlorobenzene-d4	6.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Hexanol, 2-ethyl-	130	C8H18O	000104-76-7	83
2		2-Propyl-1-pentanol	130	C8H18O	058175-57-8	64
3		Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	59
4		1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	53
5		2-Ethyl-1-hexanol, methyl ether	144	C9H20O	1000365-10-2	50



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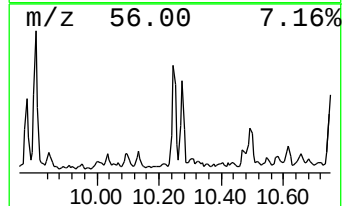
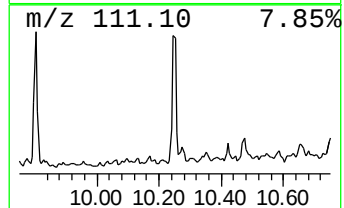
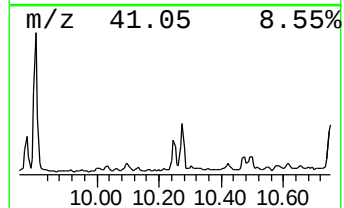
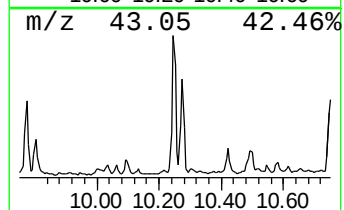
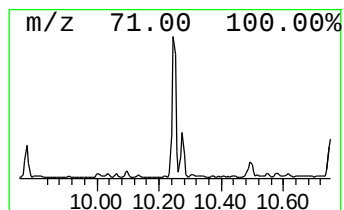
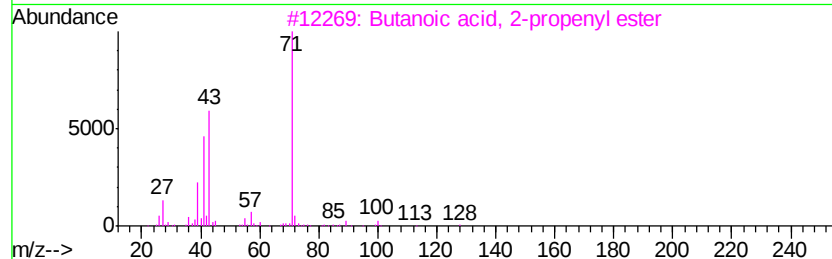
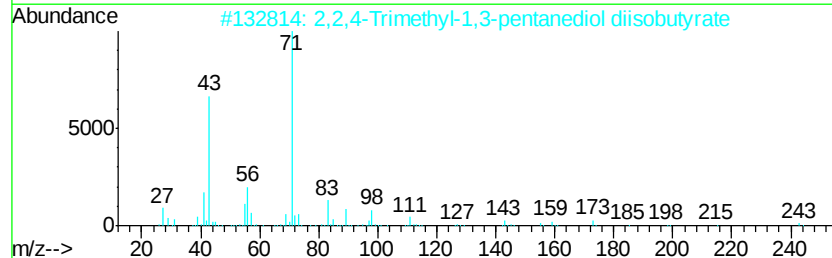
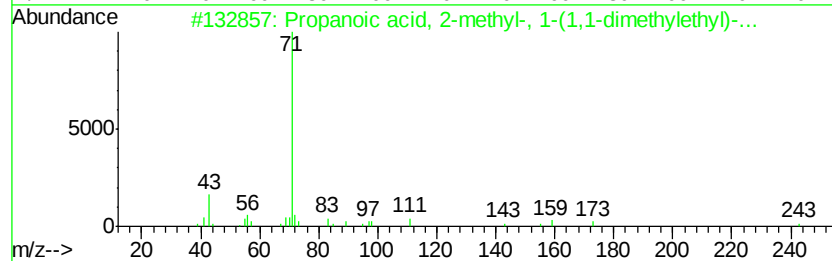
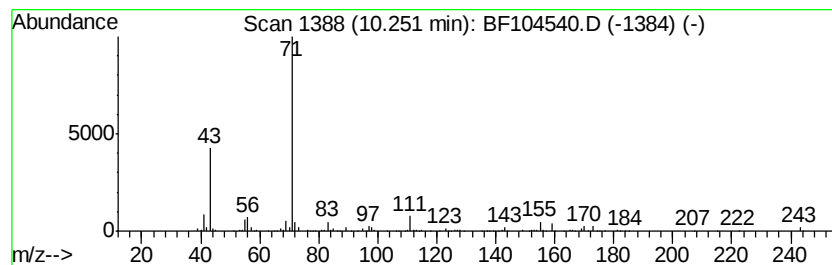
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ClientSampleId :
1-1-2-DENSE-GRADE-AGG-RCA

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Propanoic acid, 2-methyl-, ... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.25	7.22 ng	443566	Acenaphthene-d10	9.85
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Propanoic acid, 2-methyl-, 1-(1,...	286 C16H30O4	074381-40-1 78
2		2,2,4-Trimethyl-1,3-pentenediol ...	286 C16H30O4	006846-50-0 72
3		Butanoic acid, 2-propenyl ester	128 C7H12O2	002051-78-7 59
4		diethyl 2-hydroxy-3-(tetrahydrof...	260 C12H20O6	1000365-67-1 50
5		Diethylmalonic acid, monochlorid...	262 C12H19ClO4	1000370-65-0 45



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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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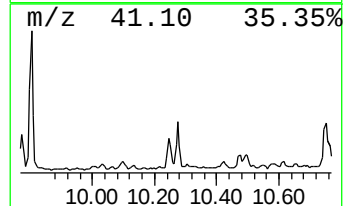
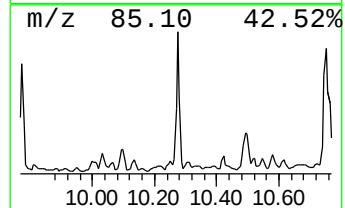
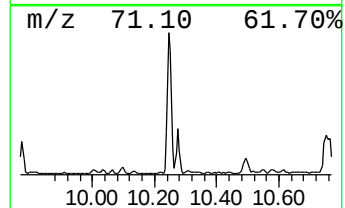
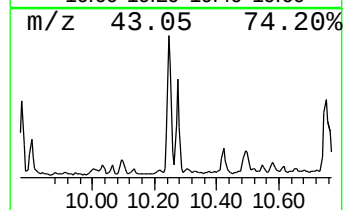
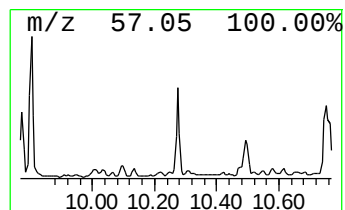
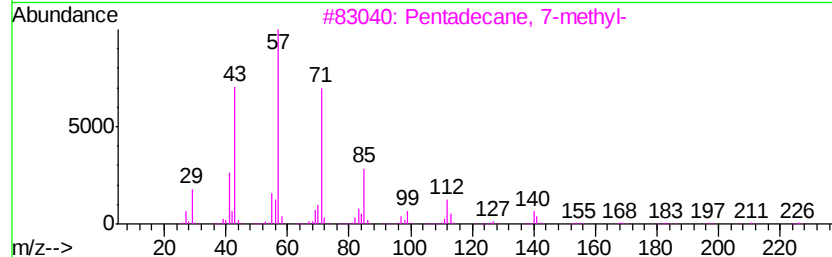
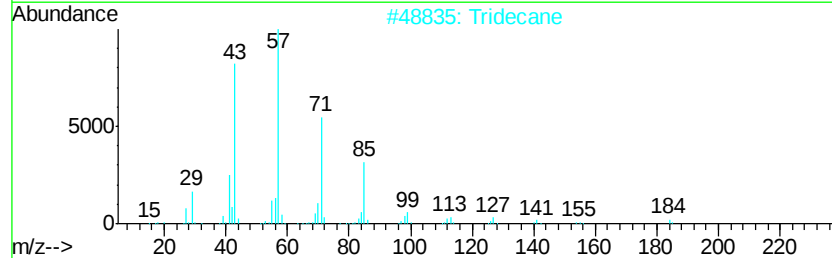
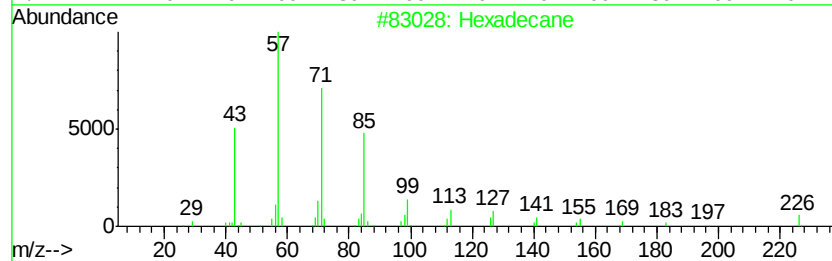
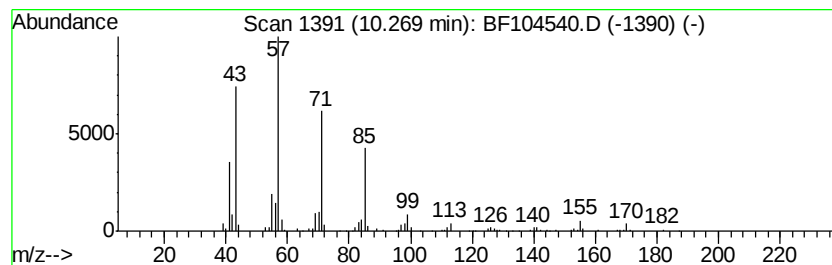
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 Hexadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.27	5.34 ng	327957	Acenaphthene-d10	9.85

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane		226	C16H34	000544-76-3	91
2	Tridecane		184	C13H28	000629-50-5	90
3	Pentadecane, 7-methyl-		226	C16H34	006165-40-8	83
4	Tetradecane		198	C14H30	000629-59-4	80
5	Undecane, 2-methyl-		170	C12H26	007045-71-8	80



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Misc :
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Instrument :
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ClientSampleId :
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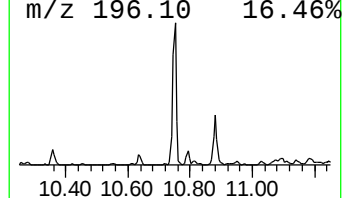
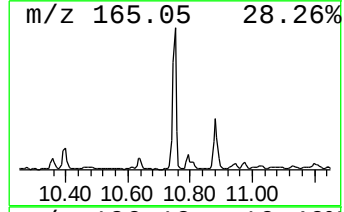
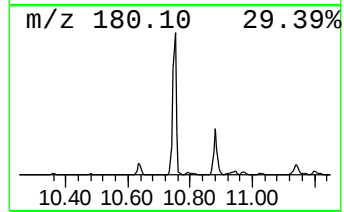
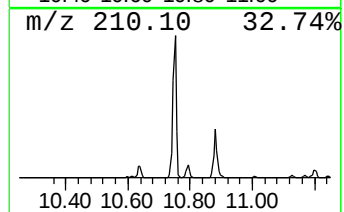
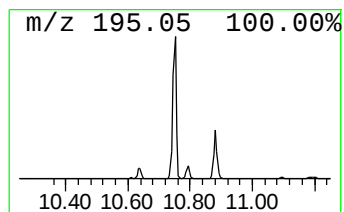
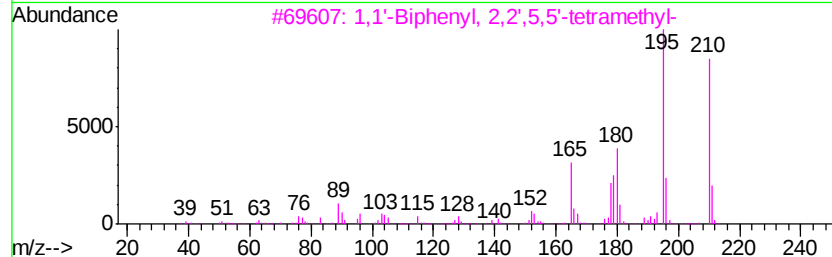
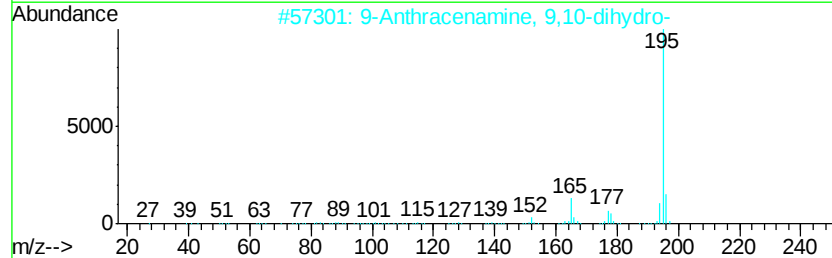
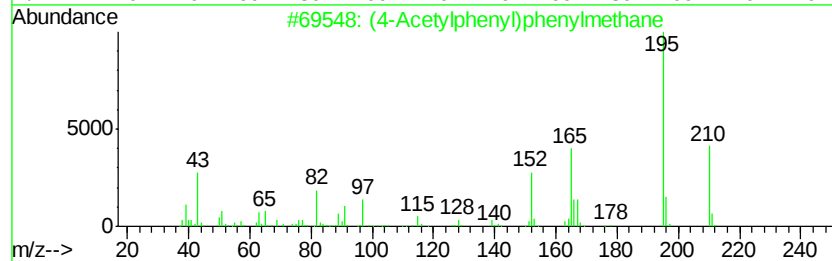
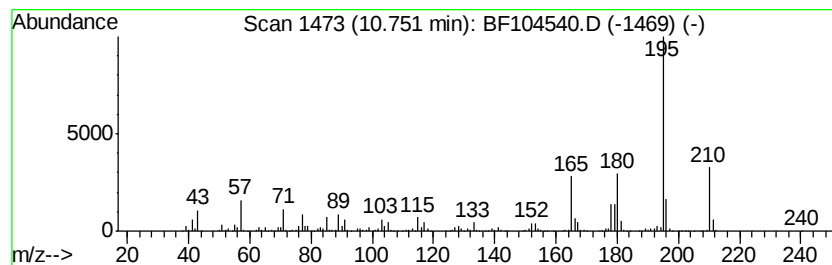
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 (4-Acetylphenyl)phenylmethane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.75	34.47 ng	2010460	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	59
2		9-Anthracenamine, 9,10-dihydro-	195	C14H13N	097825-91-7	58
3		1,1'-Biphenyl, 2,2',5,5'-tetrameth...	210	C16H18	003075-84-1	53
4		Naphthalene, 1,2,3-trimethyl-4-p...	210	C16H18	026137-53-1	49
5		Stilbene, 4-amino- (E)-	195	C14H13N	004309-66-4	49



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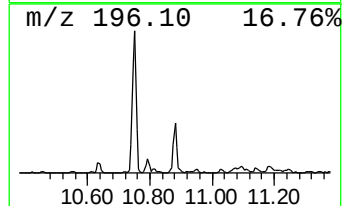
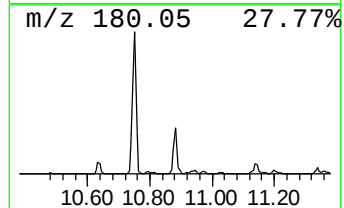
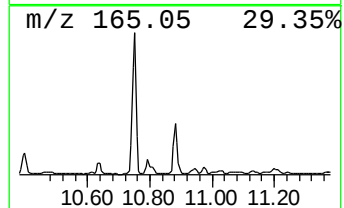
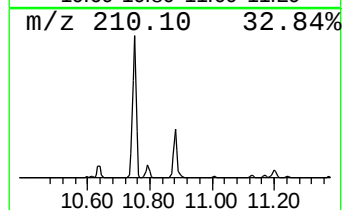
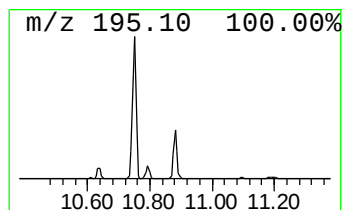
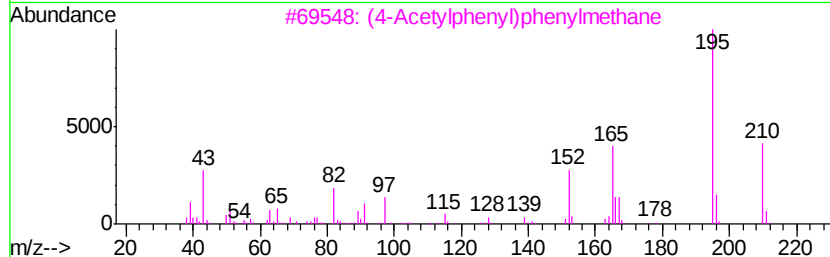
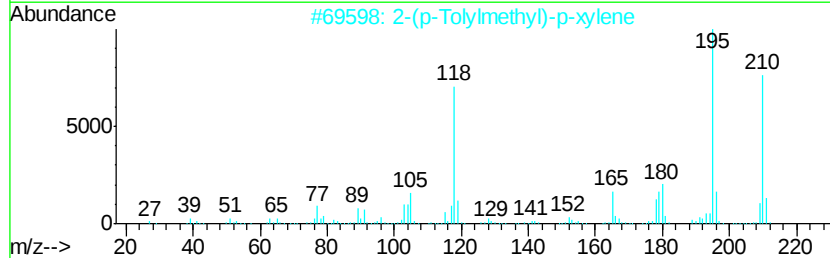
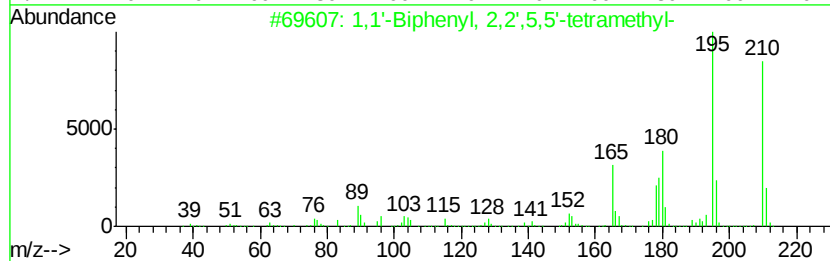
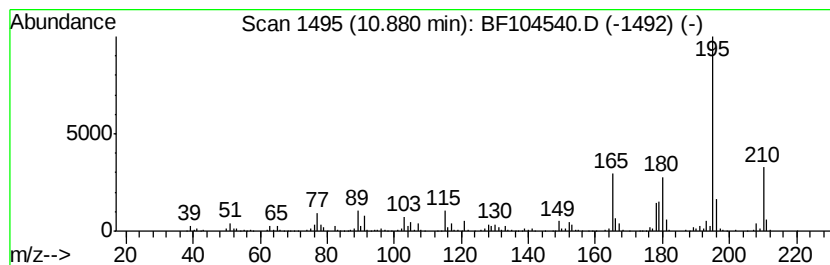
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 1,1'-Biphenyl, 2,2',5,5'-te... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.88	12.95 ng	755036	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Biphenyl, 2,2',5,5'-tetrame...	210	C16H18	003075-84-1	86
2		2-(p-Tolylmethyl)-p-xylene	210	C16H18	000721-45-9	83
3		(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	76
4		9-Anthracenamine, 9,10-dihydro-	195	C14H13N	097825-91-7	52
5		Naphthalene, 1,2,3-trimethyl-4-p...	210	C16H18	026137-53-1	52



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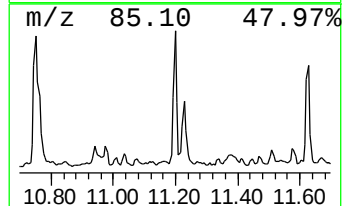
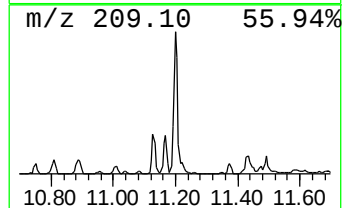
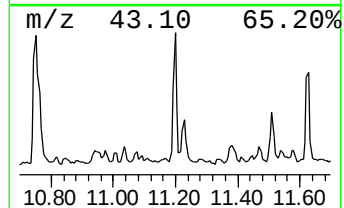
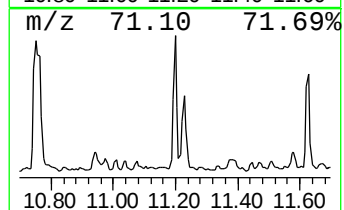
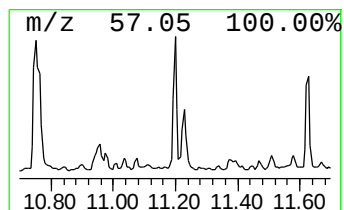
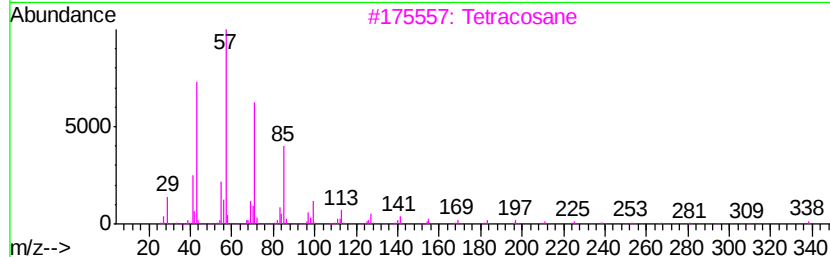
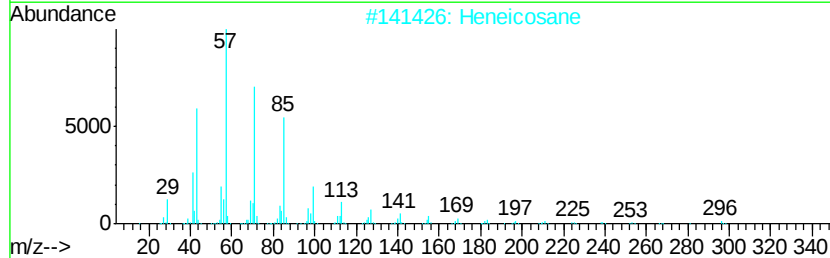
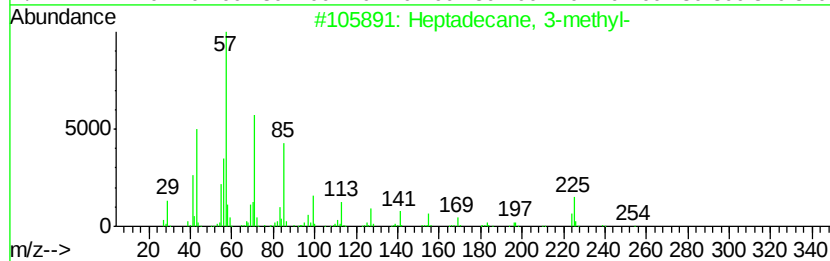
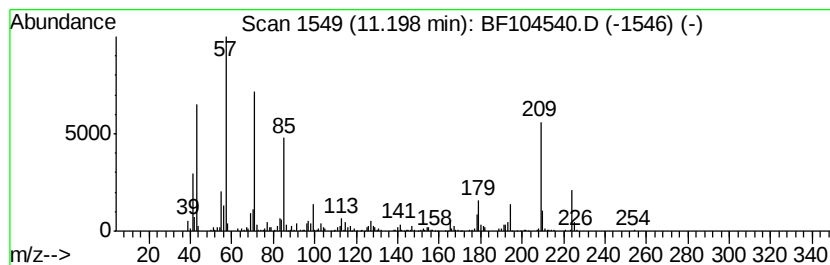
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 unknown11.20 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	9.62 ng	561193	Phenanthrene-d10	11.34

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Heptadecane, 3-methyl-	254	C18H38	006418-44-6	46
2			Heneicosane	296	C21H44	000629-94-7	45
3			Tetracosane	338	C24H50	000646-31-1	45
4			Pentadecane	212	C15H32	000629-62-9	45
5			Octadecane	254	C18H38	000593-45-3	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
Data File : BF104540.D
Acq On : 16 Apr 2018 18:41
Operator : JU/SJ
Sample : J2394-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
1-1-2-DENSE-GRADE-AGG-RCA

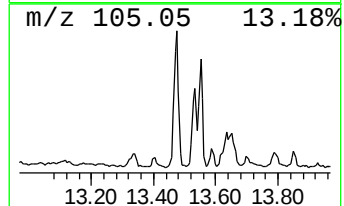
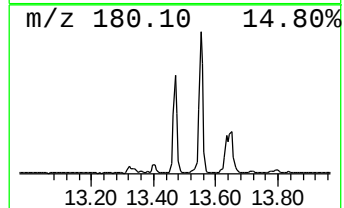
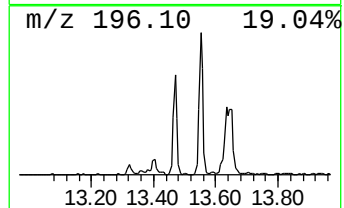
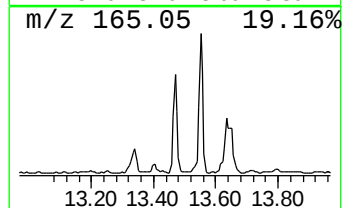
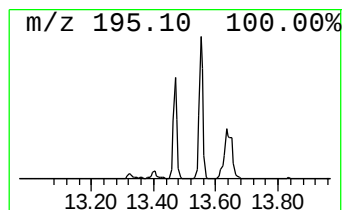
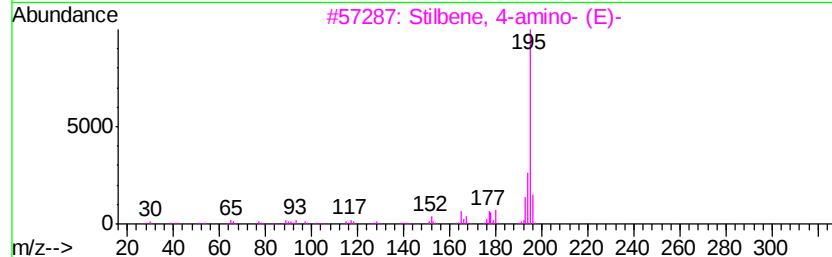
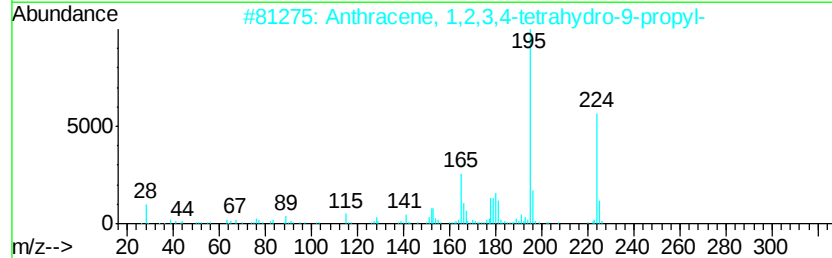
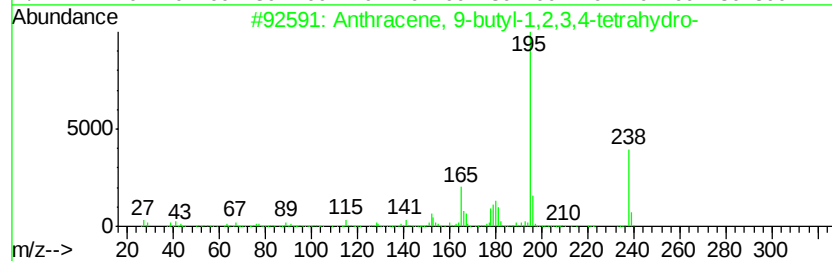
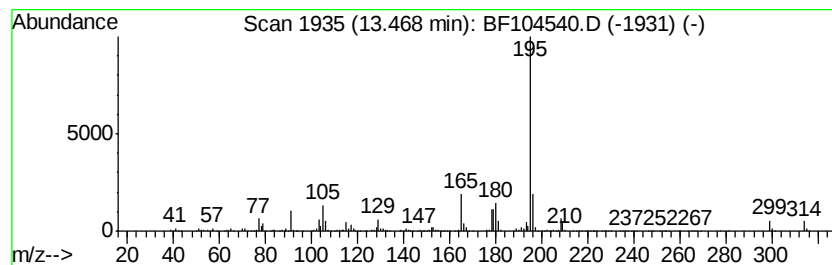
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Anthracene, 9-butyl-1,2,3,4... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.47	22.88 ng	1084730	Chrysene-d12	13.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 9-butyl-1,2,3,4-tetr...	238	C18H22	1000151-39-2	64
2			Anthracene, 1,2,3,4-tetrahydro-9...	224	C17H20	101580-33-0	64
3			Stilbene, 4-amino- (E)-	195	C14H13N	004309-66-4	59
4			9,9-Dimethyl-9-silafluorene	210	C14H14Si	013688-68-1	53
5			Benzenamine, 4-(2-phenylethenyl)-	195	C14H13N	000834-24-2	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041618\
Data File : BF104540.D
Acq On : 16 Apr 2018 18:41
Operator : JU/SJ
Sample : J2394-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

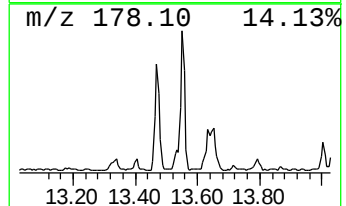
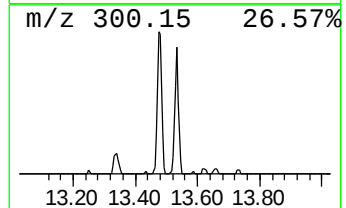
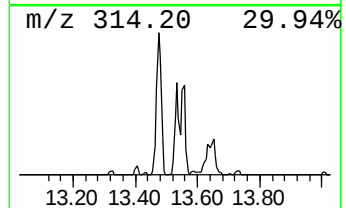
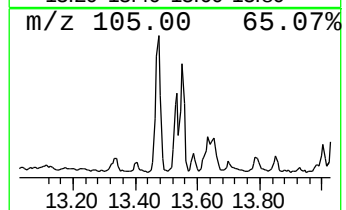
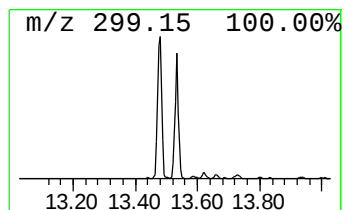
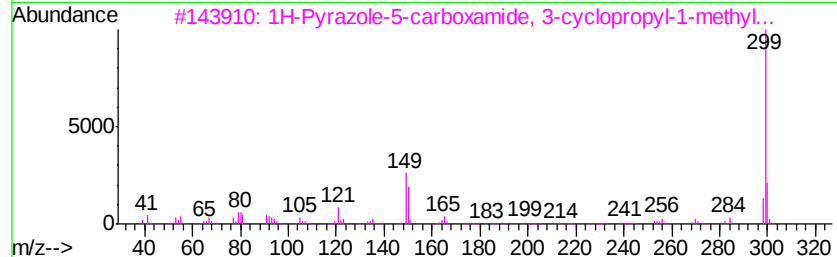
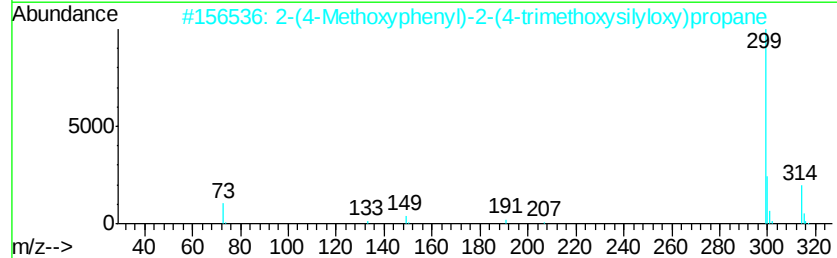
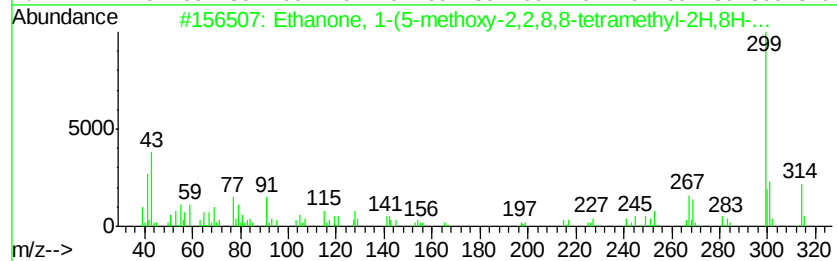
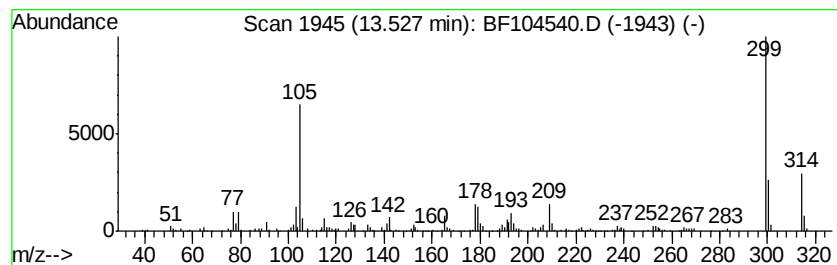
Instrument :
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ClientSampleId :
1-1-2-DENSE-GRADE-AGG-RCA

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Ethanone, 1-(5-methoxy-2,2,... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.53	5.38 ng	254864	Chrysene-d12	13.99		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(5-methoxy-2,2,8,8-t...	314	C19H22O4	003818-99-3	53	
2	2-(4-Methoxyphenyl)-2-(4-trimeth...	314	C19H26O2Si	1000283-55-5	53	
3	1H-Pyrazole-5-carboxamide, 3-cvc...	299	C18H25N3O	1000350-11-1	47	
4	N1-(4-Methoxyphenyl)-2-(4-methyl...	299	C16H17N3OS	020158-23-0	46	
5	(1H-Benzoimidazol-2-yl)-(1,3-dio...	299	C18H9N3O2	1000294-65-2	43	



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
Data File : BF104540.D
Acq On : 16 Apr 2018 18:41
Operator : JU/SJ
Sample : J2394-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
1-1-2-DENSE-GRADE-AGG-RCA

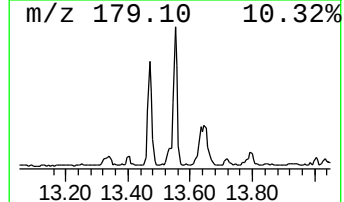
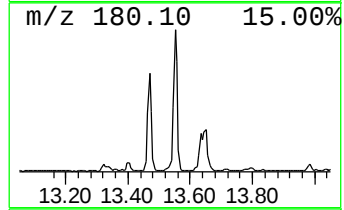
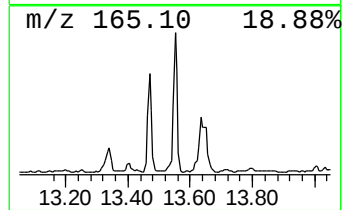
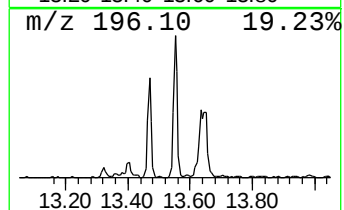
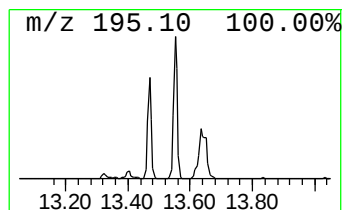
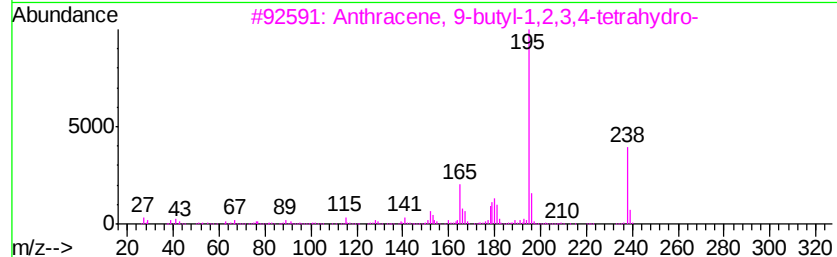
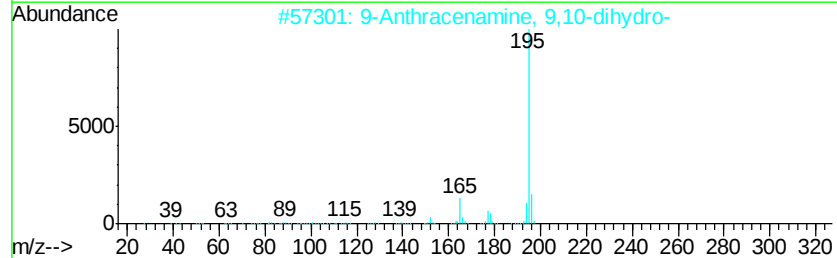
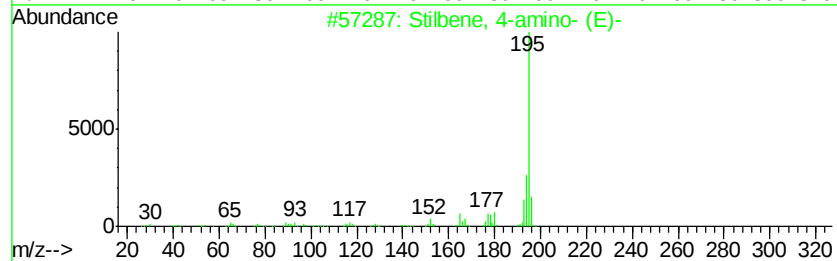
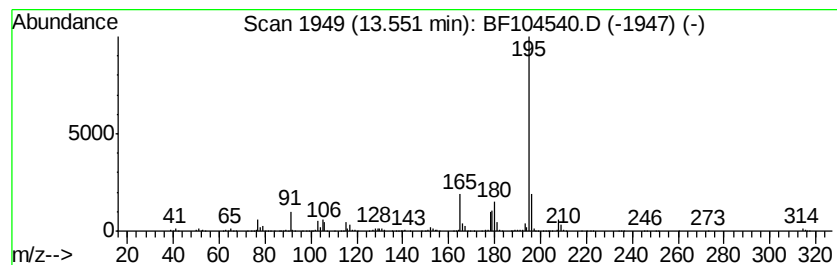
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Stilbene, 4-amino- (E)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	22.30 ng	1057050	Chrysene-d12	13.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Stilbene, 4-amino- (E)-	195	C14H13N	004309-66-4	72
2		9-Anthracenamine, 9,10-dihydro-	195	C14H13N	097825-91-7	64
3		Anthracene, 9-butyl-1,2,3,4-tetr...	238	C18H22	1000151-39-2	64
4		9,9-Dimethyl-9-silafluorene	210	C14H14Si	013688-68-1	53
5		1-Amino-9-fluorenone	195	C13H9NO	006344-62-3	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041618\
Data File : BF104540.D
Acq On : 16 Apr 2018 18:41
Operator : JU/SJ
Sample : J2394-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
1-1-2-DENSE-GRADE-AGG-RCA

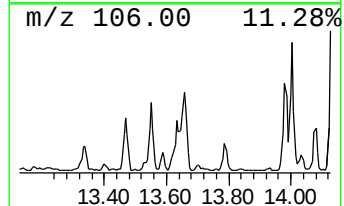
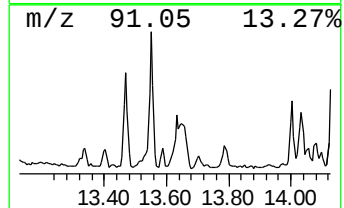
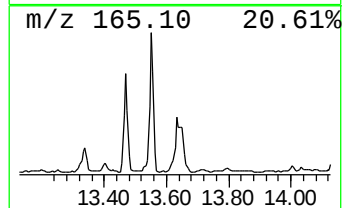
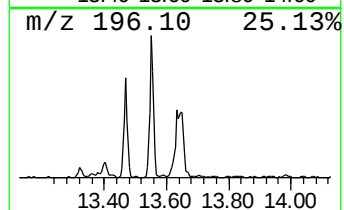
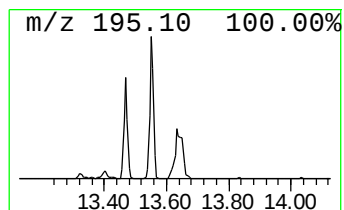
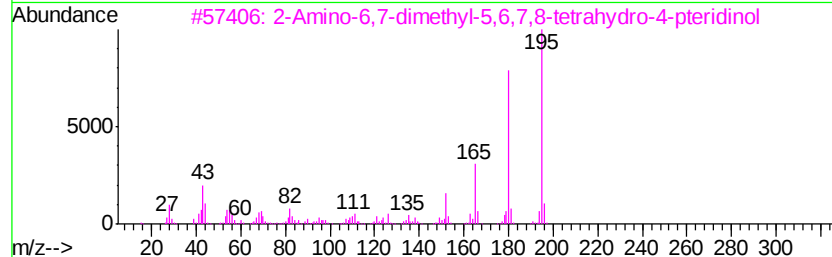
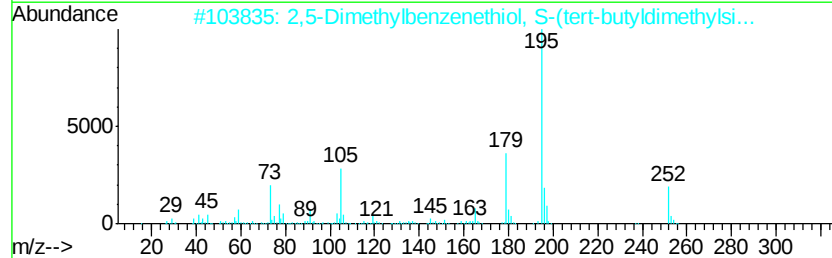
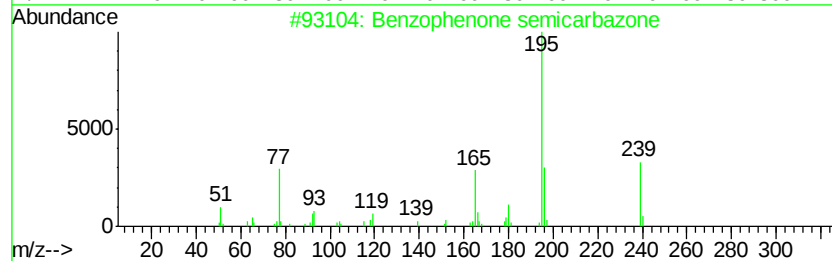
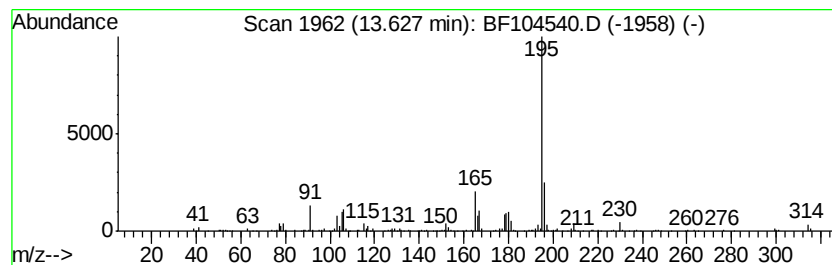
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Benzophenone semicarbazone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	9.27 ng	439223	Chrysene-d12	13.99

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzophenone semicarbazone	239	C14H13N3O	014066-73-0	56
2		2,5-Dimethylbenzenethiol, S-(ter...	252	C14H24SSi	1000353-01-9	50
3		2-Amino-6,7-dimethyl-5,6,7,8-tet...	195	C8H13N5O	1000239-36-2	50
4		Benzenamine, 4-(2-phenylethenyl)-	195	C14H13N	000834-24-2	50
5		(1H)-Imidazo[4,5-b]pyridine, 2-p...	195	C12H9N3	001016-93-9	47



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
Data File : BF104540.D
Acq On : 16 Apr 2018 18:41
Operator : JU/SJ
Sample : J2394-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
1-1-2-DENSE-GRADE-AGG-RCA

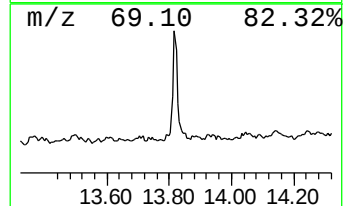
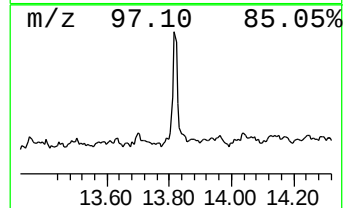
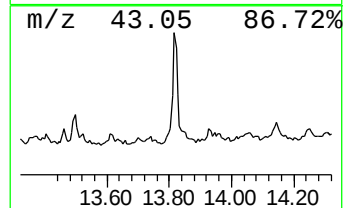
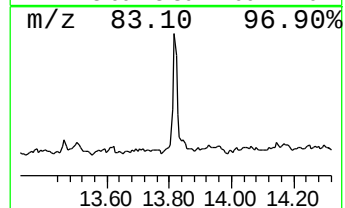
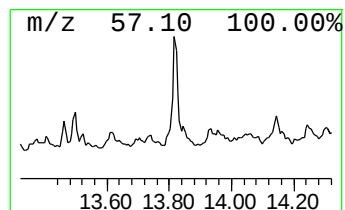
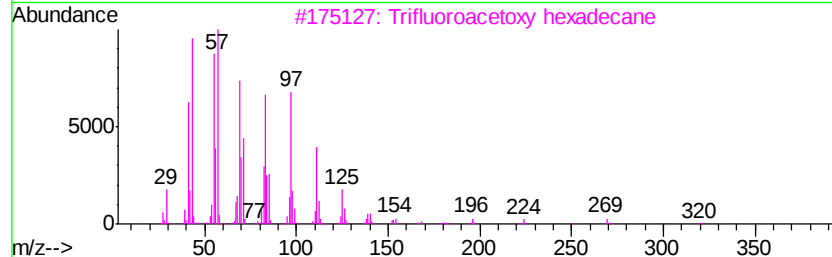
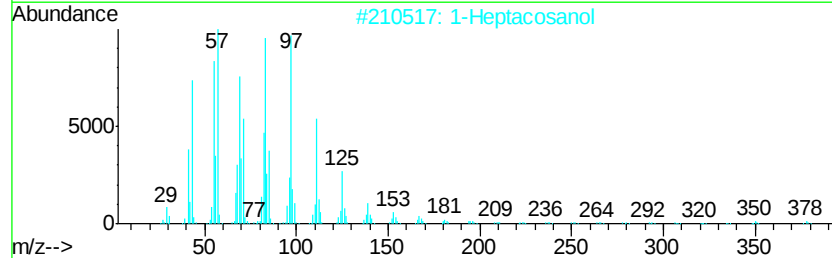
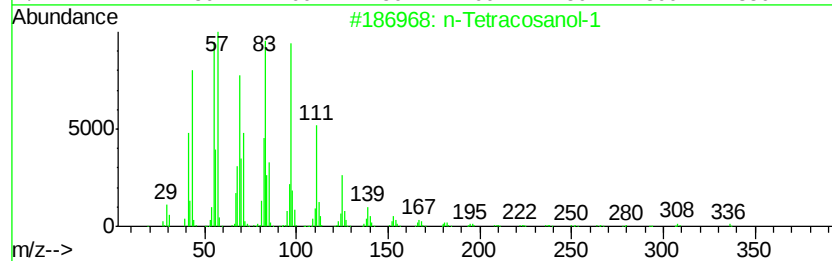
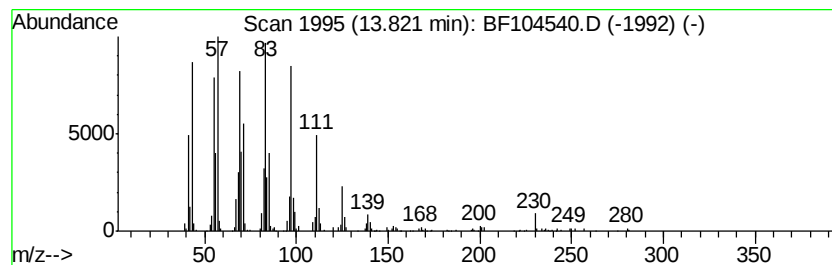
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 n-Tetracosanol-1 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	8.77 ng	415507	Chrysene-d12	13.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			n-Tetracosanol-1	354	C24H50O	000506-51-4	94
2			1-Heptacosanol	396	C27H56O	002004-39-9	93
3			Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	93
4			1-Heneicosanol	312	C21H44O	015594-90-8	91
5			Behenic alcohol	326	C22H46O	000661-19-8	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041618\
Data File : BF104540.D
Acq On : 16 Apr 2018 18:41
Operator : JU/SJ
Sample : J2394-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
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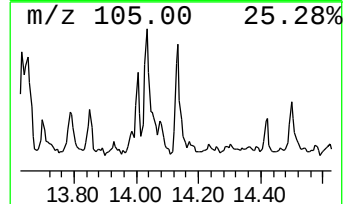
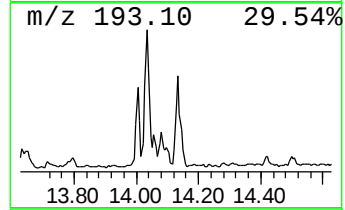
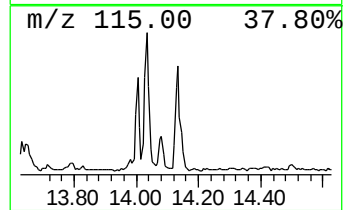
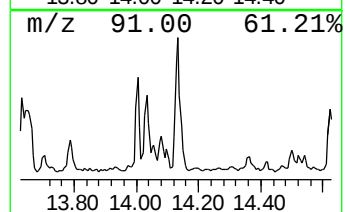
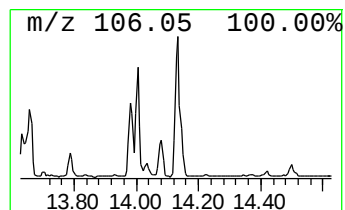
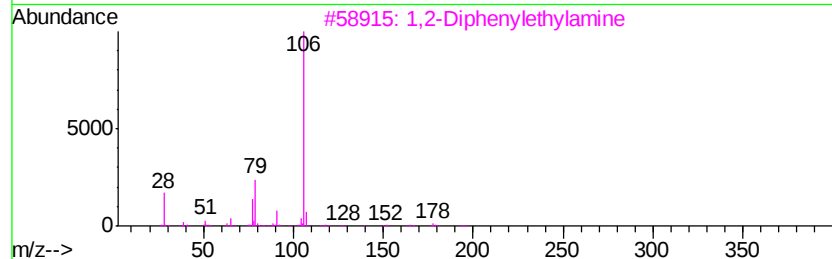
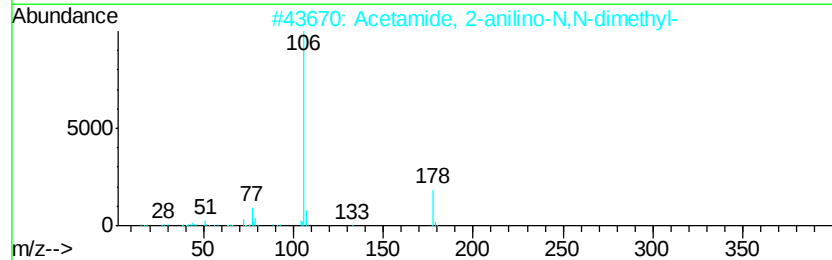
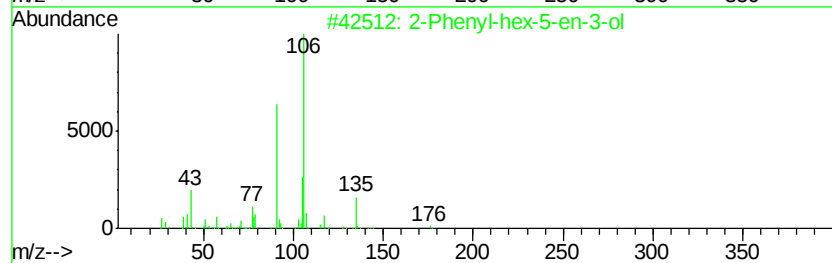
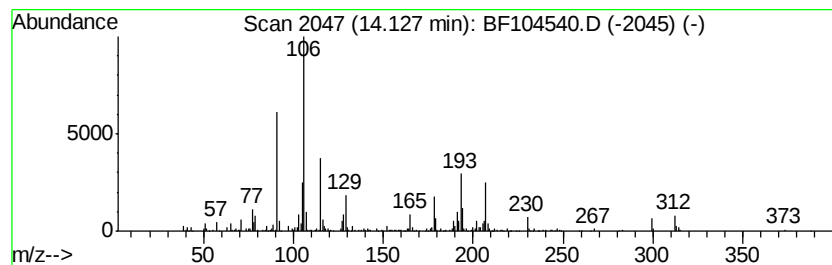
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 unknown14.13 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.13	8.39 ng	397768	Chrysene-d12	13.99

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Phenyl-hex-5-en-3-ol	176	C12H16O	077383-06-3	38
2			Acetamide, 2-anilino-N,N-dimethyl-	178	C10H14N2O	014307-89-2	30
3			1,2-Diphenylethylamine	197	C14H15N	025611-78-3	27
4			Glycine, N-phenyl-, ethyl ester	179	C10H13NO2	002216-92-4	25
5			p-Heptylaniline	191	C13H21N	037529-27-4	22



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041618\
Data File : BF104540.D
Acq On : 16 Apr 2018 18:41
Operator : JU/SJ
Sample : J2394-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
1-1-2-DENSE-GRADE-AGG-RCA

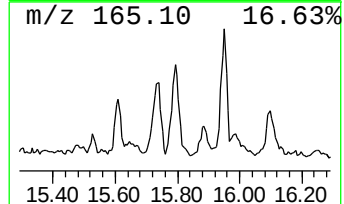
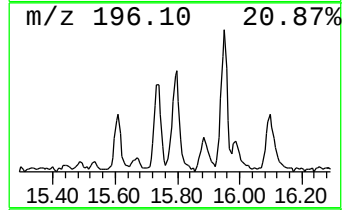
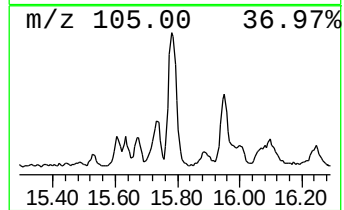
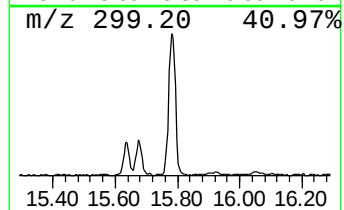
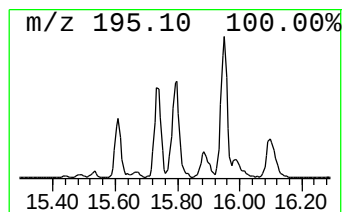
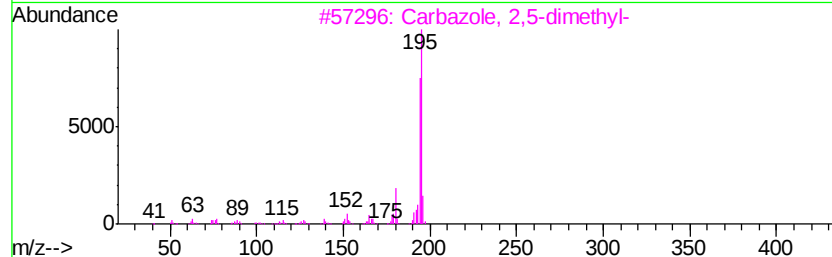
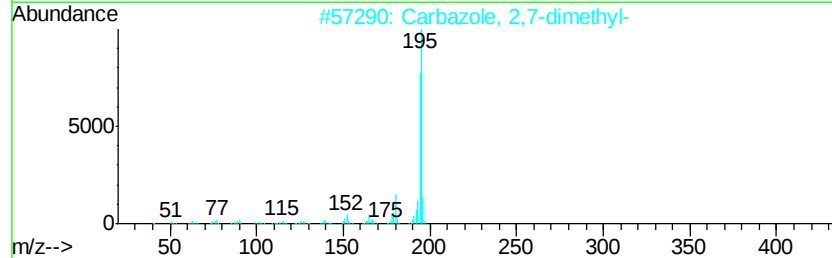
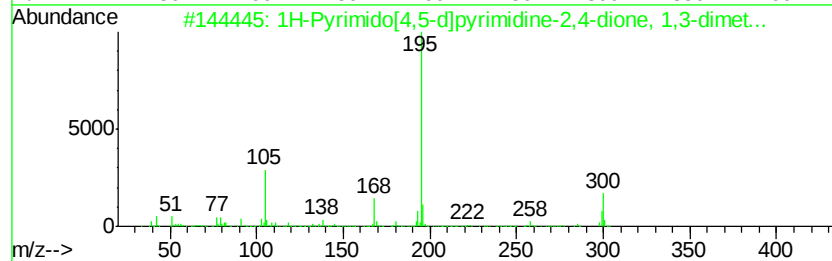
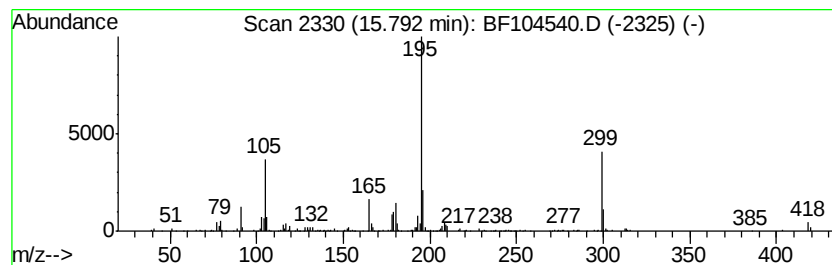
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 unknown15.79 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.79	12.39 ng	548587	Perylene-d12	15.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1H-Pyrimido[4,5-d]pyrimidine-2,4...	300	C16H20N4O2	1000303-27-0	46
2		Carbazole, 2,7-dimethyl-	195	C14H13N	018992-65-9	42
3		Carbazole, 2,5-dimethyl-	195	C14H13N	078787-79-8	38
4		1,8-Dimethylcarbazole	195	C14H13N	1000328-39-0	38
5		Carbazole, 3,5-dimethyl-	195	C14H13N	078787-81-2	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041618\
Data File : BF104540.D
Acq On : 16 Apr 2018 18:41
Operator : JU/SJ
Sample : J2394-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
1-1-2-DENSE-GRADE-AGG-RCA

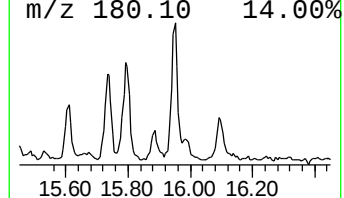
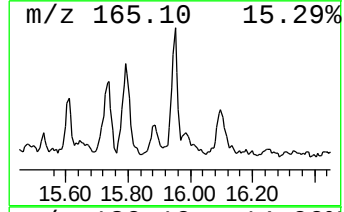
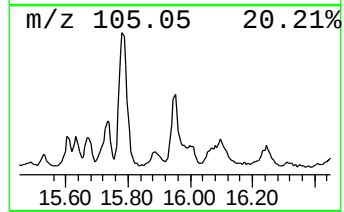
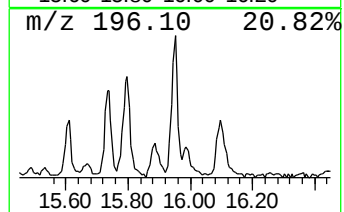
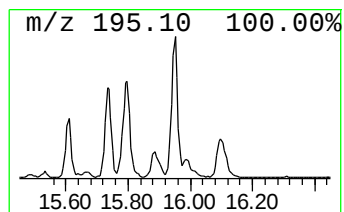
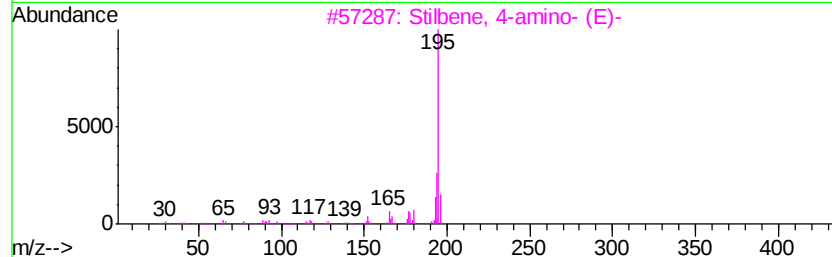
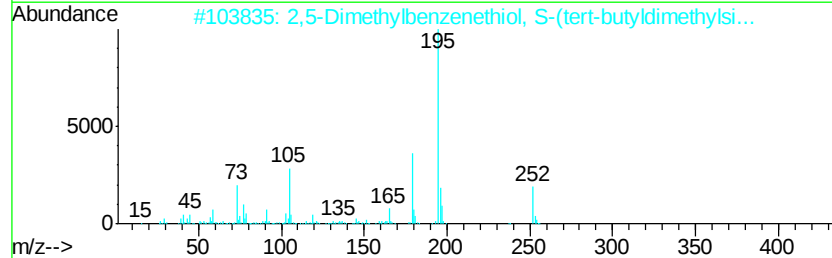
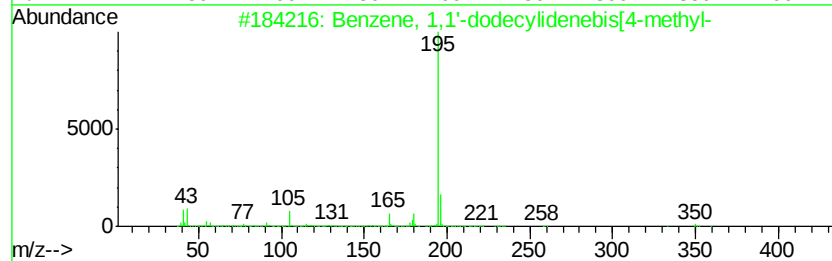
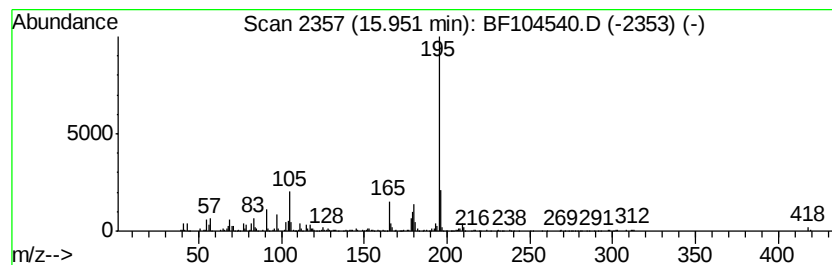
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Benzene, 1,1'-dodecylideneb... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	11.82 ng	523439	Perylene-d12	15.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzene, 1,1'-dodecylidenebis[4-...	350	C26H38	055268-62-7	78
2		2,5-Dimethylbenzenethiol, S-(ter...	252	C14H24SSi	1000353-01-9	72
3		Stilbene, 4-amino- (E)-	195	C14H13N	004309-66-4	62
4		9-Anthracenamine, 9,10-dihydro-	195	C14H13N	097825-91-7	58
5		9,9-Dimethyl-9-silafluorene	210	C14H14Si	013688-68-1	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041618\
Data File : BF104540.D
Acq On : 16 Apr 2018 18:41
Operator : JU/SJ
Sample : J2394-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
1-1-2-DENSE-GRADE-AGG-RCA

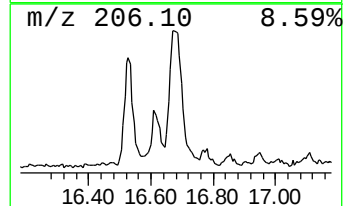
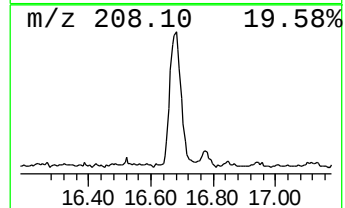
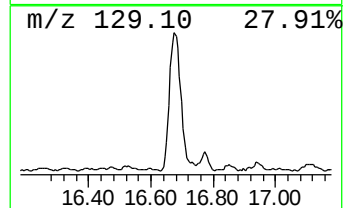
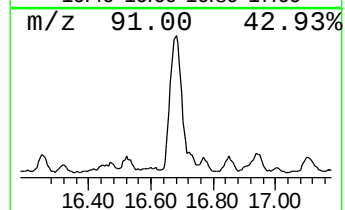
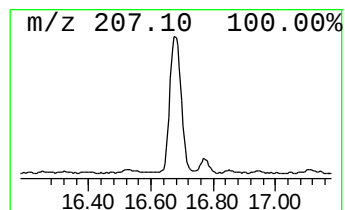
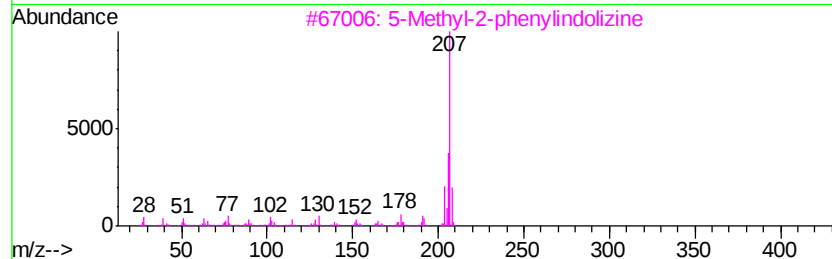
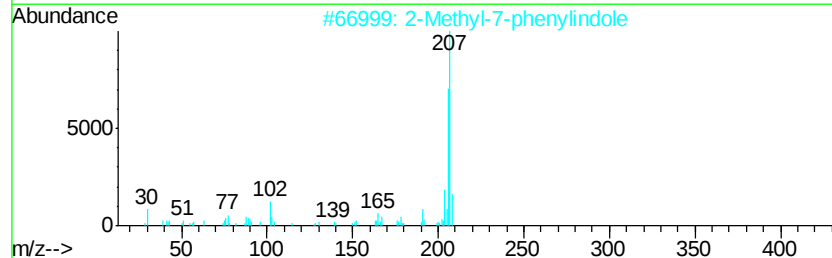
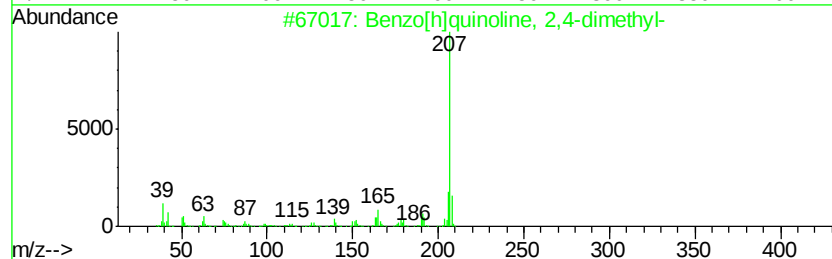
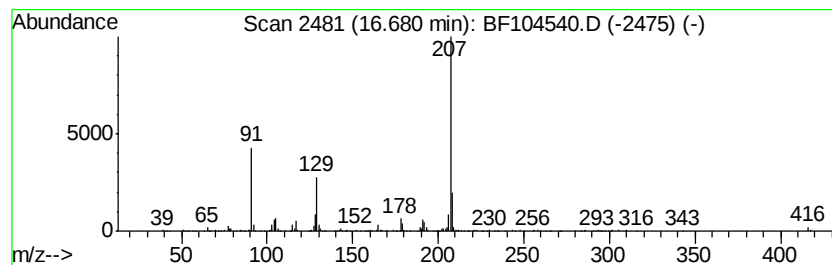
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 Benzo[h]quinoline, 2,4-dime... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.68	16.58 ng	733979	Perylene-d12	15.45

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[h]quinoline, 2,4-dimethyl-	207	C15H13N	000605-67-4	64
2		2-Methyl-7-phenylindole	207	C15H13N	001140-08-5	59
3		5-Methyl-2-phenylindolizine	207	C15H13N	036944-99-7	53
4		1H-Indole, 5-methyl-2-phenyl-	207	C15H13N	013228-36-9	45
5		Phenyltricyclo[8.2.2.2(4,7)]hexa...	311	C23H21N	1000306-66-3	45



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041618\
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 Acq On : 16 Apr 2018 18:41
 Operator : JU/SJ
 Sample : J2394-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1-1-2-DENSE-GRADE-AGG-RCA

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
3-Penten-2-one, 4...	4.38	7.7	ng	328734	1	6.81	850203	20.0
2-Pentanone, 4-hy...	5.03	65.0	ng	2765270	1	6.81	850203	20.0
Ethanol, 2-(2-met...	6.04	4.6	ng	195406	1	6.81	850203	20.0
unknown6.57	6.57	20.2	ng	860131	1	6.81	850203	20.0
1-Hexanol, 2-ethyl-	6.86	4.6	ng	195004	1	6.81	850203	20.0
Propanoic acid, 2...	10.25	7.2	ng	443566	3	9.85	1229060	20.0
Hexadecane	10.27	5.3	ng	327957	3	9.85	1229060	20.0
(4-Acetylphenyl)p...	10.75	34.5	ng	2010460	4	11.34	1166530	20.0
1,1'-Biphenyl, 2,...	10.88	12.9	ng	755036	4	11.34	1166530	20.0
unknown11.20	11.20	9.6	ng	561193	4	11.34	1166530	20.0
Anthracene, 9-but...	13.47	22.9	ng	1084730	5	13.99	948082	20.0
Ethanone, 1-(5-me...	13.53	5.4	ng	254864	5	13.99	948082	20.0
Stilbene, 4-amino...	13.55	22.3	ng	1057050	5	13.99	948082	20.0
Benzophenone semi...	13.63	9.3	ng	439223	5	13.99	948082	20.0
n-Tetracosanol-1	13.82	8.8	ng	415507	5	13.99	948082	20.0
unknown14.13	14.13	8.4	ng	397768	5	13.99	948082	20.0
unknown15.79	15.79	12.4	ng	548587	6	15.45	885485	20.0
Benzene, 1,1'-dod...	15.95	11.8	ng	523439	6	15.45	885485	20.0
Benzo[h]quinoline...	16.68	16.6	ng	733979	6	15.45	885485	20.0