

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021418\
 Data File : BF102984.D
 Acq On : 14 Feb 2018 12:54
 Operator : SJ/JU
 Sample : J1511-03 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MM-3

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-BF020318.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	2.122	3	6	18	rVB	237533	347351	11.82%	0.518%
2	5.087	507	510	519	rVB	201487	209805	7.14%	0.313%
3	5.486	575	578	589	rVB	1652158	1610886	54.80%	2.402%
4	6.498	746	750	757	rVB	2006685	1958255	66.62%	2.920%
5	6.639	770	774	778	rBV	1940646	1851982	63.00%	2.762%
6	6.875	810	814	820	rBV	1310649	1071471	36.45%	1.598%
7	7.028	835	840	844	rBV	1536339	1466463	49.89%	2.187%
8	7.433	906	909	912	rVV	1409889	1243326	42.30%	1.854%
9	7.463	912	914	918	rVB	226592	179682	6.11%	0.268%
10	8.133	1025	1028	1030	rVV	580484	518371	17.63%	0.773%
11	8.157	1030	1032	1034	rVV	1549090	1397319	47.54%	2.084%
12	8.180	1034	1036	1039	rVV	1675469	1287408	43.80%	1.920%
13	8.210	1039	1041	1043	rVV	317070	239810	8.16%	0.358%
14	8.445	1077	1081	1085	rVB5	214105	256609	8.73%	0.383%
15	8.527	1093	1095	1099	rVB3	151683	169700	5.77%	0.253%
16	8.569	1099	1102	1105	rBV	481813	413281	14.06%	0.616%
17	8.739	1129	1131	1135	rVV	890274	733790	24.96%	1.094%
18	8.839	1145	1148	1151	rVV2	172337	219148	7.46%	0.327%
19	8.869	1151	1153	1156	rVV	572843	466475	15.87%	0.696%
20	8.969	1167	1170	1174	rVV	461476	464585	15.81%	0.693%
21	9.063	1183	1186	1189	rVV3	160589	226948	7.72%	0.338%
22	9.104	1190	1193	1198	rVV3	235343	260896	8.88%	0.389%
23	9.169	1202	1204	1207	rVV	622768	538370	18.32%	0.803%
24	9.227	1211	1214	1219	rVB	1715664	1602001	54.50%	2.389%
25	9.310	1224	1228	1230	rBV	1234436	1217835	41.43%	1.816%
26	9.333	1230	1232	1236	rVV3	179933	256160	8.71%	0.382%
27	9.427	1245	1248	1252	rVB	190646	176115	5.99%	0.263%
28	9.498	1256	1260	1263	rBV2	377430	497835	16.94%	0.742%
29	9.569	1269	1272	1275	rBV2	522412	570202	19.40%	0.850%
30	9.598	1275	1277	1278	rVV	334619	243282	8.28%	0.363%
31	9.627	1278	1282	1284	rVV3	875088	926558	31.52%	1.382%
32	9.651	1284	1286	1289	rVB2	181283	178389	6.07%	0.266%
33	9.686	1289	1292	1294	rBV	386345	294033	10.00%	0.438%
34	9.774	1304	1307	1310	rBV3	303308	303656	10.33%	0.453%

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35	9.833	1313	1317	1320	rVB	1096093	1077714	36.66%	1.607%
36	9.916	1325	1331	1334	rVV	1398919	1395749	47.48%	2.081%
37	9.945	1334	1336	1339	rVB	718790	552671	18.80%	0.824%
38	10.016	1345	1348	1352	rBV2	315684	385791	13.12%	0.575%
39	10.069	1352	1357	1359	rBV4	248013	364874	12.41%	0.544%
40	10.116	1362	1365	1369	rVV2	733938	772470	26.28%	1.152%
41	10.157	1369	1372	1376	rVB2	584380	568239	19.33%	0.847%
42	10.227	1381	1384	1387	rBV	380790	388941	13.23%	0.580%
43	10.257	1387	1389	1391	rBV	241584	176087	5.99%	0.263%
44	10.333	1395	1402	1405	rBV2	1292592	1410538	47.99%	2.103%
45	10.463	1420	1424	1429	rBV3	563226	597884	20.34%	0.892%
46	10.551	1436	1439	1445	rVB	701618	923582	31.42%	1.377%
47	10.610	1446	1449	1452	rBV3	177067	207464	7.06%	0.309%
48	10.698	1462	1464	1469	rBV3	372858	371180	12.63%	0.554%
49	10.821	1480	1485	1492	rVB2	1375498	2272387	77.31%	3.389%
50	10.998	1513	1515	1519	rBV4	149060	188069	6.40%	0.280%
51	11.039	1519	1522	1525	rVB3	222023	230264	7.83%	0.343%
52	11.133	1535	1538	1540	rBV3	172423	213714	7.27%	0.319%
53	11.204	1547	1550	1553	rBV	351764	336947	11.46%	0.502%
54	11.257	1555	1559	1562	rVV	1208946	1145881	38.98%	1.709%
55	11.286	1562	1564	1571	rVB2	768467	1010113	34.36%	1.506%
56	11.404	1581	1584	1586	rBV	1061430	1070741	36.43%	1.597%
57	11.433	1586	1589	1592	rVV	3186392	2939481	100.00%	4.384%
58	11.480	1592	1597	1599	rVB	808407	709025	24.12%	1.057%
59	11.563	1608	1611	1616	rVV3	215221	333911	11.36%	0.498%
60	11.633	1620	1623	1626	rVV	517855	512975	17.45%	0.765%
61	11.686	1629	1632	1635	rVV	769003	737255	25.08%	1.099%
62	11.733	1637	1640	1645	rVB2	254167	293829	10.00%	0.438%
63	11.904	1666	1669	1671	rBV	3639916	523907	17.82%	0.781%
64	11.933	1671	1674	1676	rVV	813234	674880	22.96%	1.006%
65	11.980	1679	1682	1684	rVV	251518	206129	7.01%	0.307%
66	12.015	1685	1688	1690	rVV2	623269	679270	23.11%	1.013%
67	12.039	1690	1692	1694	rVB	479071	362388	12.33%	0.540%
68	12.092	1698	1701	1706	rBV	683509	615179	20.93%	0.917%
69	12.198	1716	1719	1721	rBV	322022	265501	9.03%	0.396%
70	12.227	1721	1724	1729	rVB3	263244	298114	10.14%	0.445%
71	12.374	1746	1749	1752	rVB2	228475	210064	7.15%	0.313%

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72	12.451	1759	1762	1764	rBV	360381	355579	12.10%	0.530%
73	12.480	1764	1767	1771	rVV2	736438	714096	24.29%	1.065%
74	12.539	1775	1777	1782	rVB2	195609	208499	7.09%	0.311%
75	12.621	1787	1791	1794	rBV	2035978	1864866	63.44%	2.781%
76	12.851	1824	1830	1835	rBV	2477073	2830696	96.30%	4.221%
77	12.898	1836	1838	1842	rVB2	237759	243375	8.28%	0.363%
78	12.962	1846	1849	1850	rBV3	192536	204778	6.97%	0.305%
79	12.980	1850	1852	1861	rVB2	1012526	1174379	39.95%	1.751%
80	13.057	1862	1865	1870	rBV6	209423	403667	13.73%	0.602%
81	13.204	1887	1890	1893	rBV	576310	533415	18.15%	0.795%
82	13.239	1894	1896	1899	rVV2	197221	183334	6.24%	0.273%
83	13.274	1900	1902	1905	rVB2	242597	234944	7.99%	0.350%
84	13.398	1921	1923	1926	rBV	206480	222528	7.57%	0.332%
85	13.545	1946	1948	1952	rBV	488941	475033	16.16%	0.708%
86	13.680	1969	1971	1976	rVB	271754	232946	7.92%	0.347%
87	13.851	1997	2000	2001	rBV2	185226	210085	7.15%	0.313%
88	13.874	2002	2004	2011	rVB2	572988	746366	25.39%	1.113%
89	14.009	2025	2027	2029	rBV	198915	207243	7.05%	0.309%
90	14.039	2029	2032	2035	rVV2	1209861	1716934	58.41%	2.560%
91	14.068	2035	2037	2045	rVB	833602	860409	29.27%	1.283%
92	14.192	2055	2058	2062	rBV	516894	442524	15.05%	0.660%
93	14.498	2107	2110	2113	rBV	484008	471639	16.04%	0.703%
94	14.804	2160	2162	2167	rVB	350858	312871	10.64%	0.467%
95	15.092	2207	2211	2217	rBV	501002	929666	31.63%	1.386%
96	15.145	2217	2220	2226	rVB	370366	407291	13.86%	0.607%
97	15.398	2260	2263	2269	rVB	365001	517308	17.60%	0.771%
98	15.462	2270	2274	2279	rVB	530115	648214	22.05%	0.967%
99	15.527	2281	2285	2288	rBV	765785	943281	32.09%	1.407%
100	15.968	2357	2360	2365	rVB	240134	339845	11.56%	0.507%

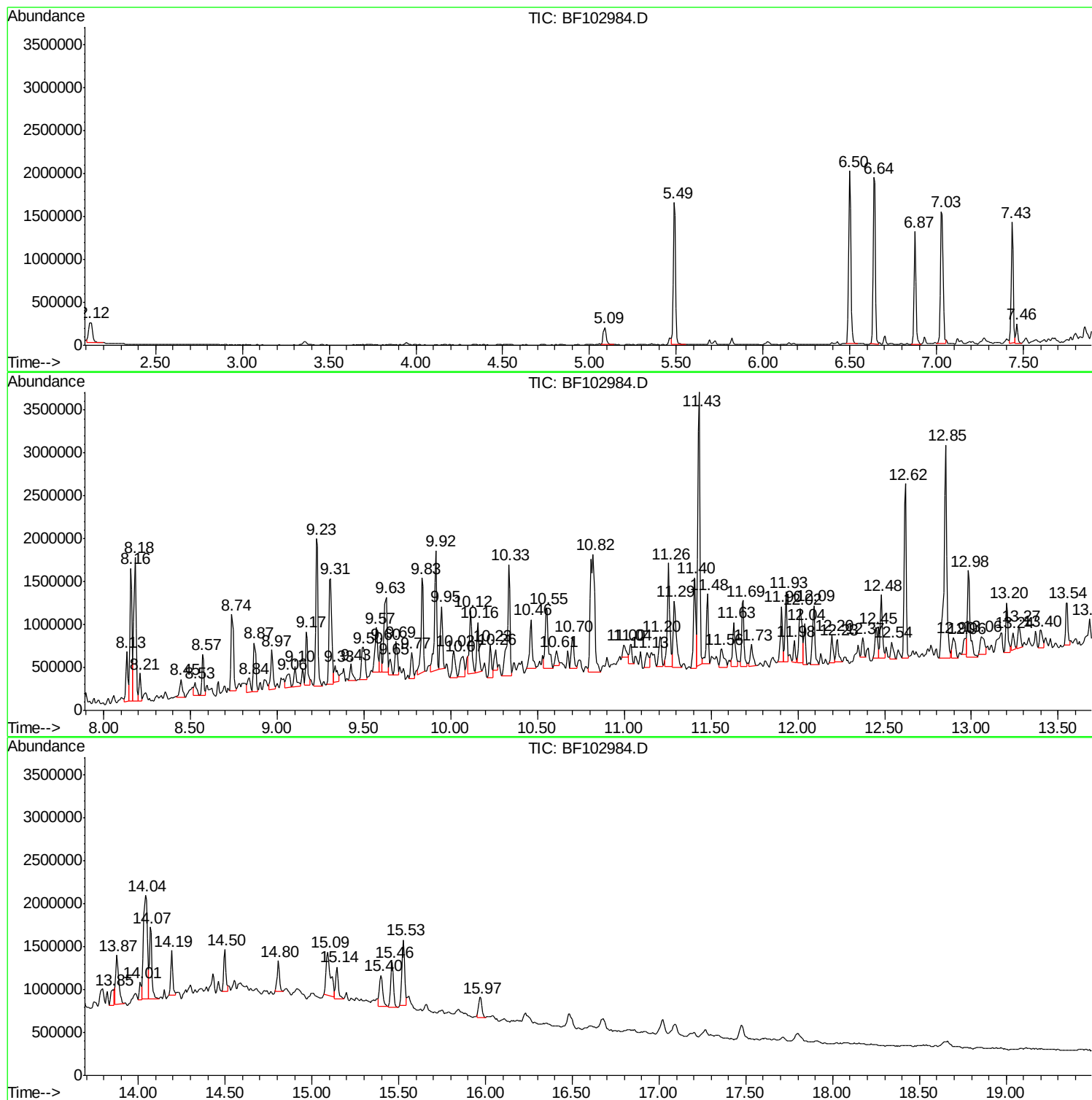
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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
MM-3

Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.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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Instrument :
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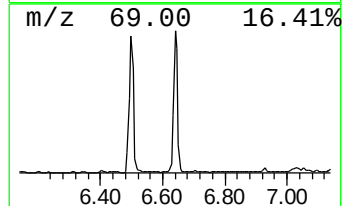
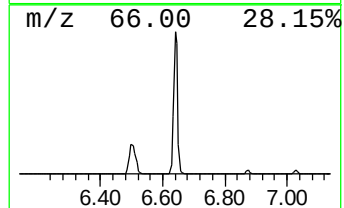
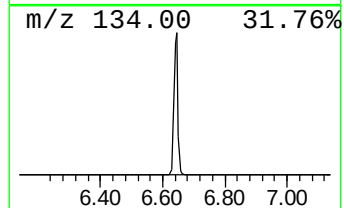
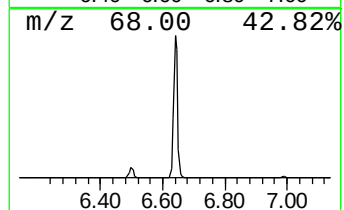
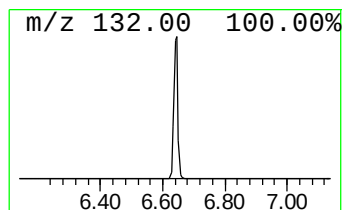
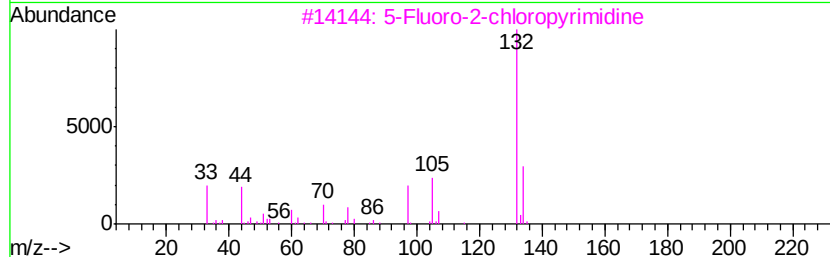
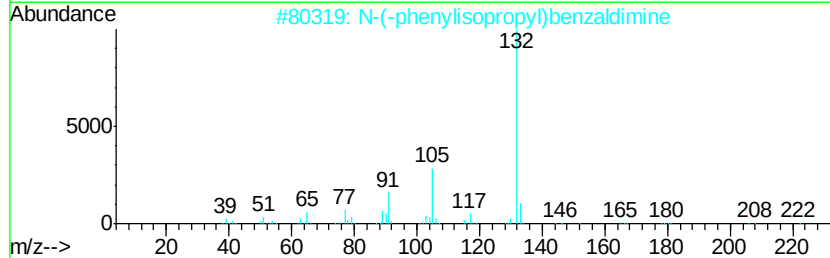
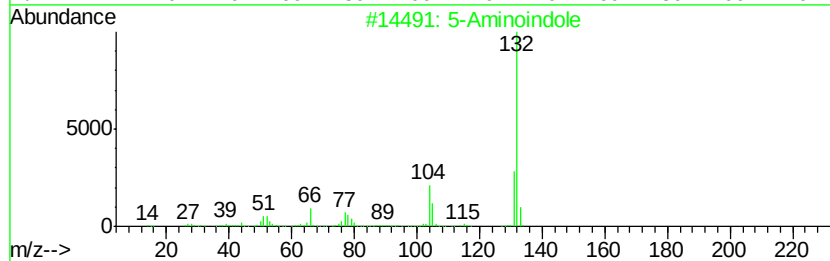
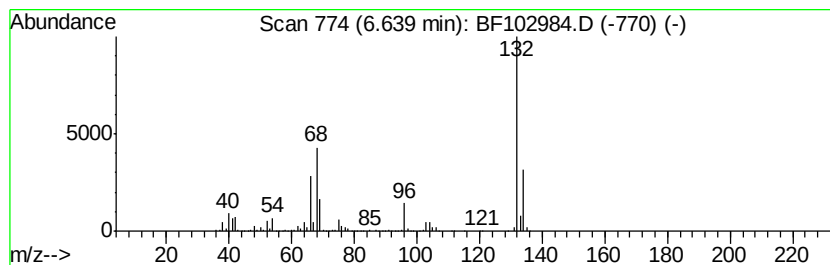
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 5-Aminoindole Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.64	34.57 ng	1851980	1,4-Dichlorobenzene-d4	6.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			5-Aminoindole	132	C8H8N2	005192-03-0	12
2			N-(-phenylisopropyl)benzalimine	223	C16H17N	1000379-01-3	10
3			5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
4			1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5			Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9



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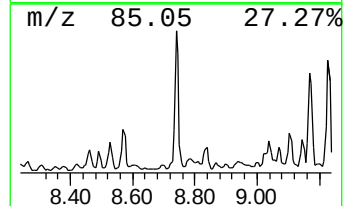
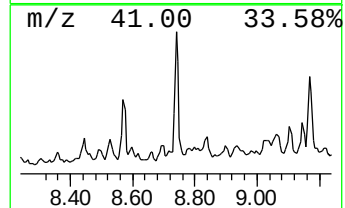
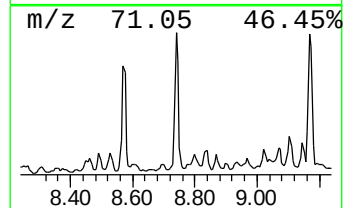
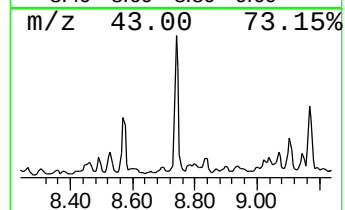
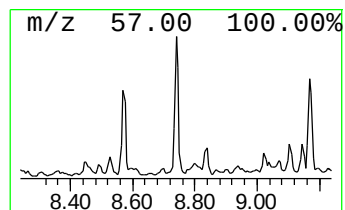
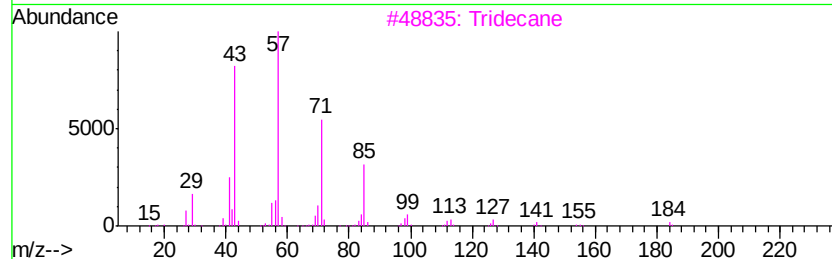
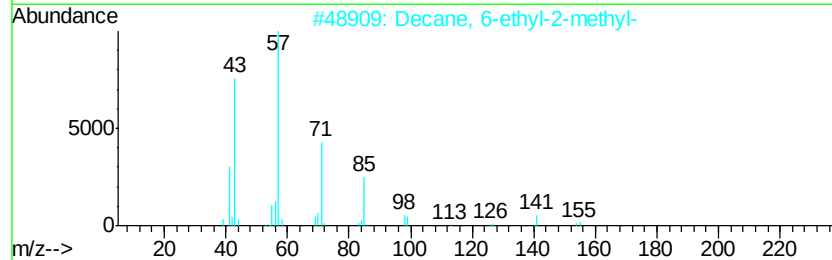
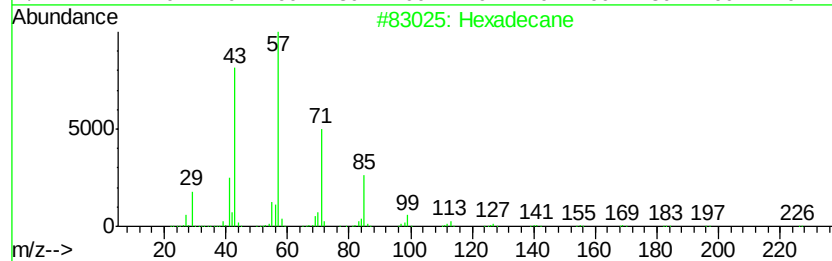
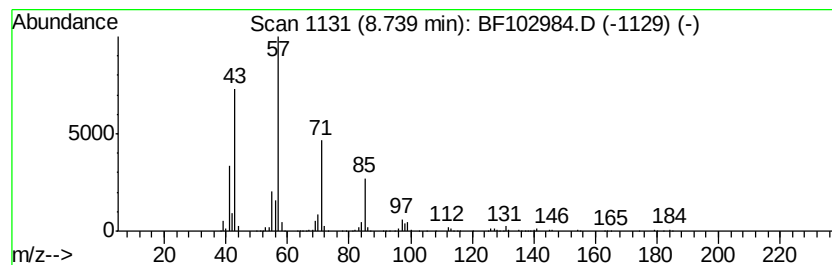
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 3 Hexadecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.74	10.50 ng	733790	Napthalene-d8	8.16

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane		226	C16H34	000544-76-3	90
2	Decane, 6-ethyl-2-methyl-		184	C13H28	062108-21-8	86
3	Tridecane		184	C13H28	000629-50-5	86
4	Tetradecane		198	C14H30	000629-59-4	83
5	Tridecane, 6-methyl-		198	C14H30	013287-21-3	78



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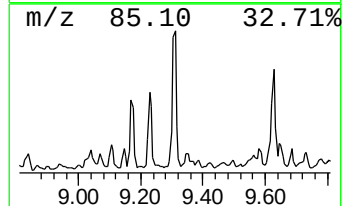
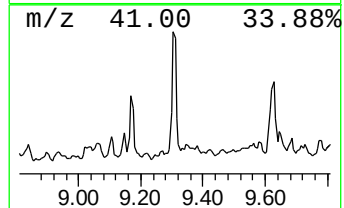
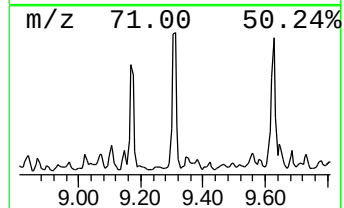
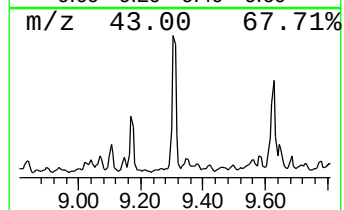
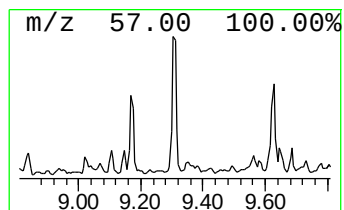
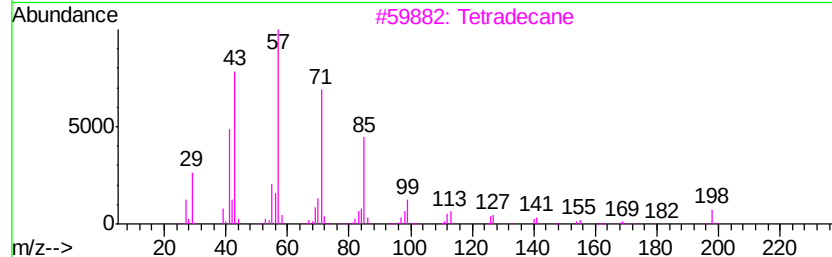
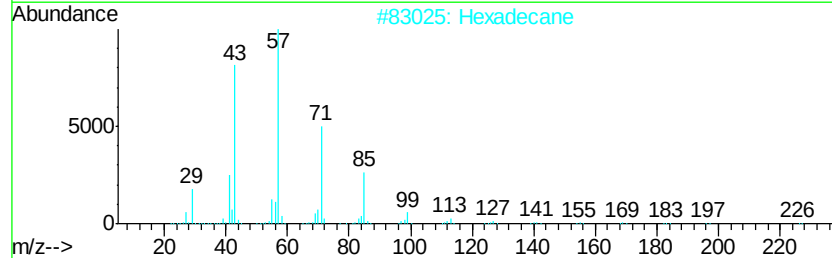
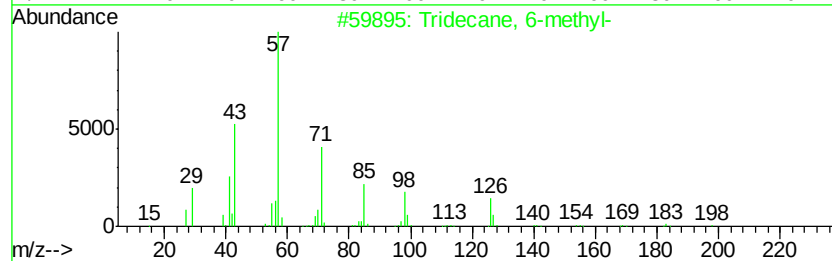
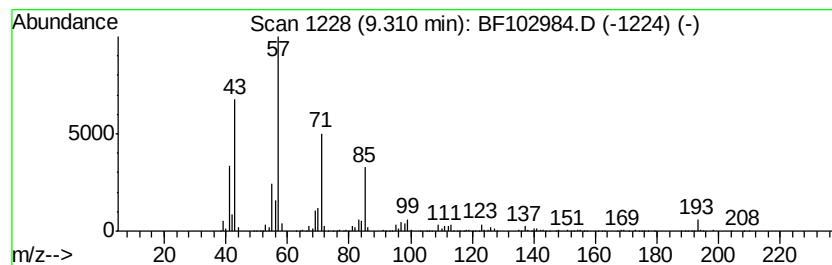
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Peak Number 5 Tridecane, 6-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.31	17.45 ng	1217840	Acenaphthene-d10	9.92

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-methyl-		198	C14H30	013287-21-3	81
2	Hexadecane		226	C16H34	000544-76-3	80
3	Tetradecane		198	C14H30	000629-59-4	76
4	Nonadecane		268	C19H40	000629-92-5	64
5	Pentadecane		212	C15H32	000629-62-9	53



Data Path : Z:\HPCHEM1\BNA F\DATA\BF021418\
Data File : BF102984.D
Acq On : 14 Feb 2018 12:54
Operator : SJ/JU
Sample : J1511-03 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

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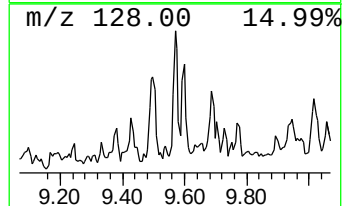
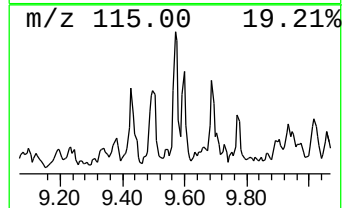
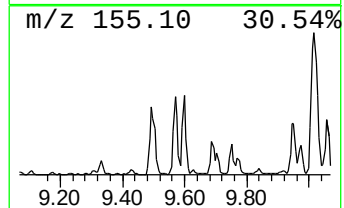
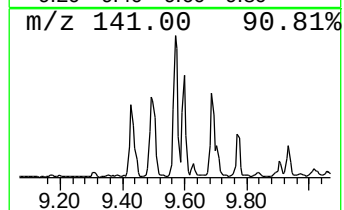
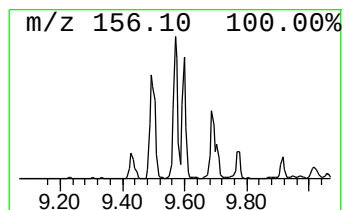
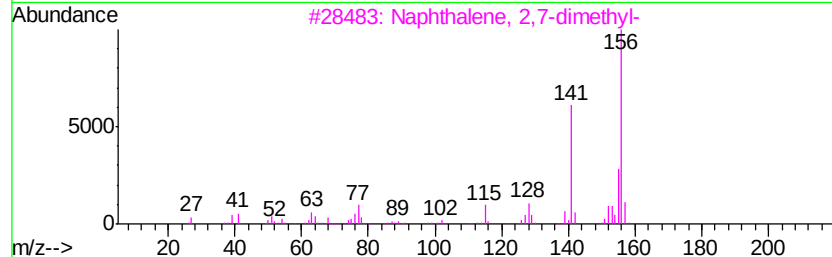
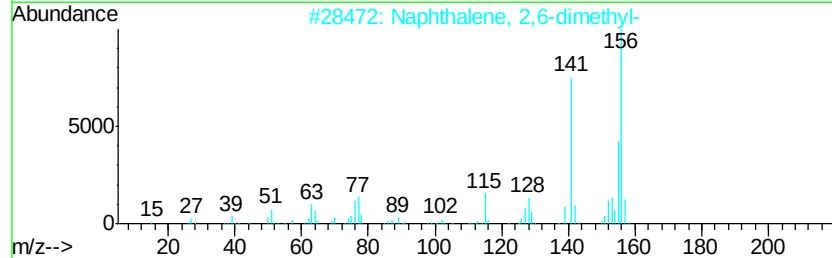
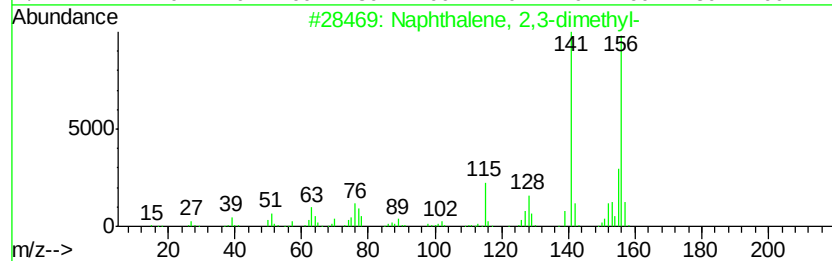
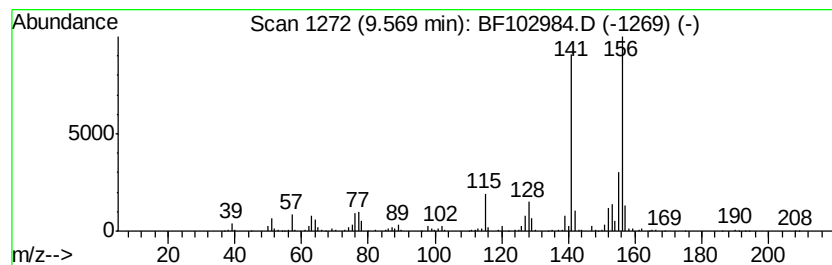
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.57	8.17 ng	570202	Acenaphthene-d10	9.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2		Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3		Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4		Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5		Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97



Data Path : Z:\HPCHEM1\BNA F\DATA\BF021418\
Data File : BF102984.D
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Misc :
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ClientSampleId :
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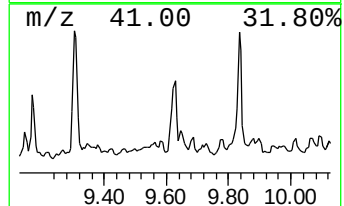
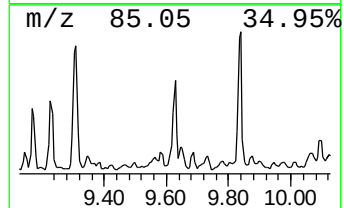
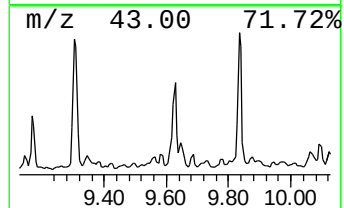
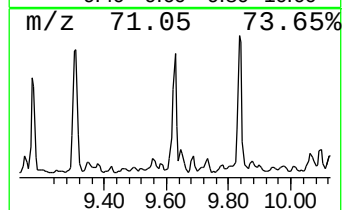
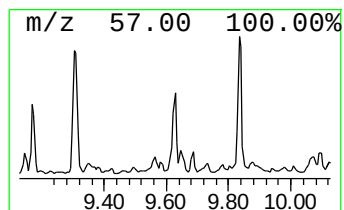
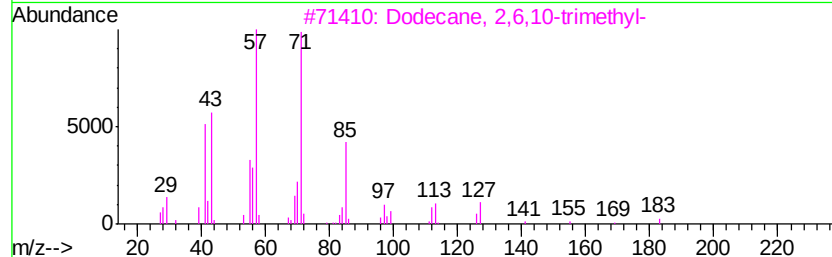
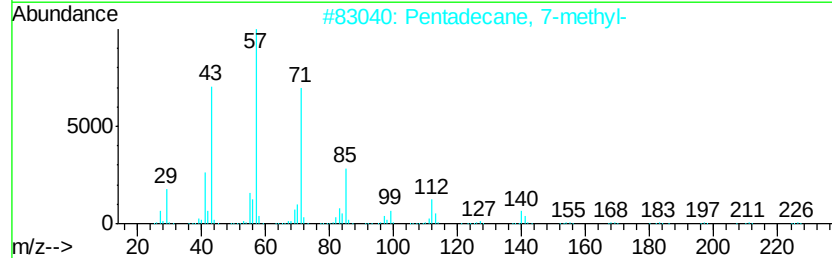
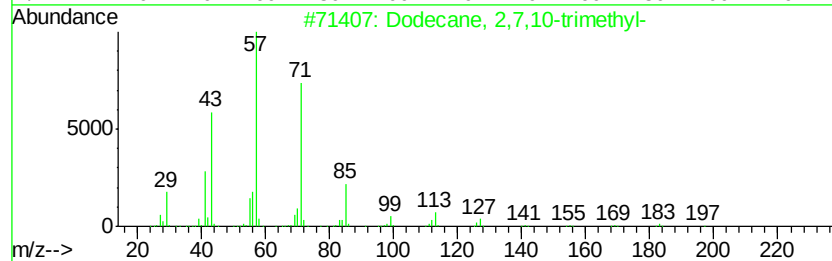
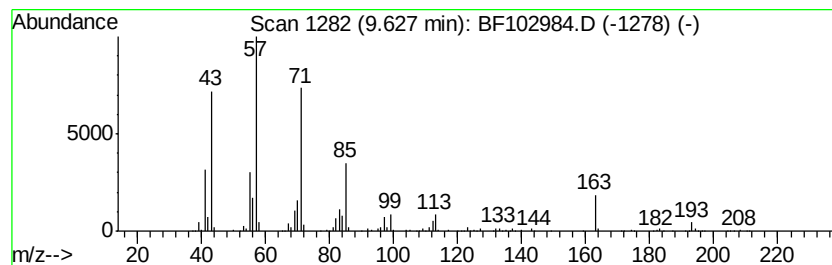
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Dodecane, 2,7,10-trimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.63	13.28 ng	926558	Acenaphthene-d10	9.92

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
2		Pentadecane, 7-methyl-	226	C16H34	006165-40-8	80
3		Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	72
4		Hexadecane	226	C16H34	000544-76-3	72
5		Decane, 5-propyl-	184	C13H28	017312-62-8	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021418\
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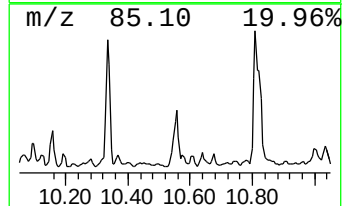
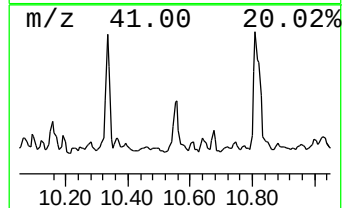
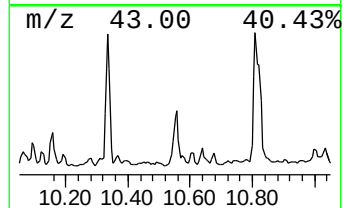
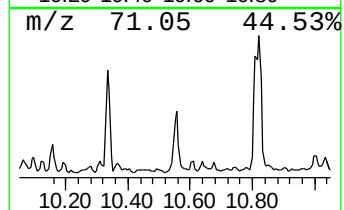
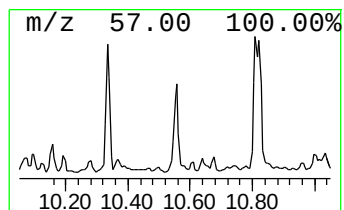
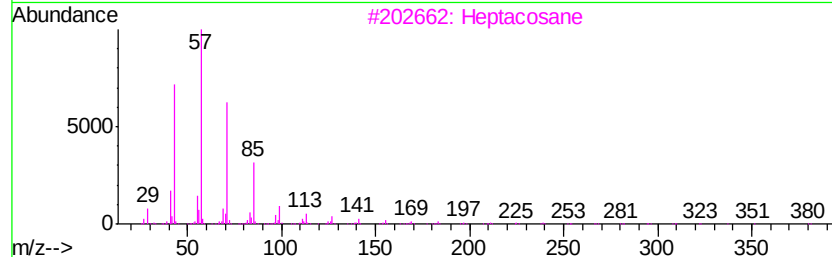
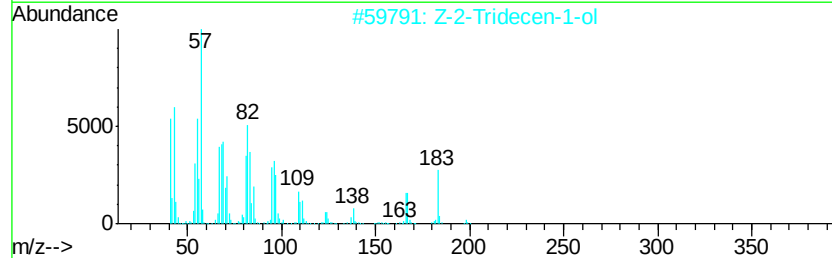
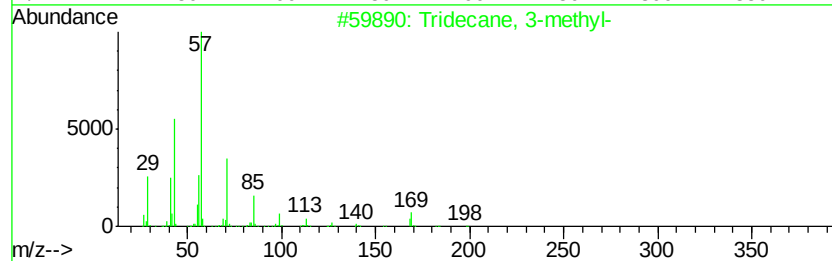
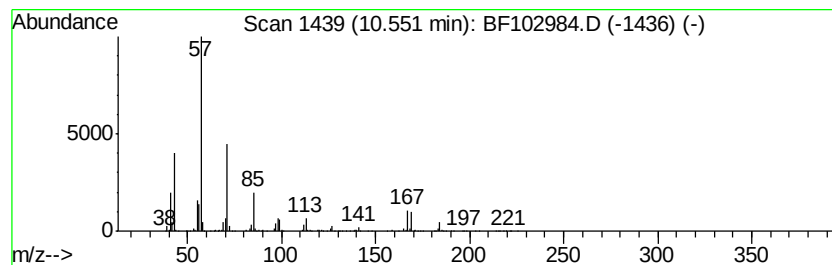
Instrument :
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 ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 10 Tridecane, 3-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.55	13.23 ng	923582	Acenaphthene-d10	9.92
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Tridecane, 3-methyl-	198 C14H30	006418-41-3 81
2		Z-2-Tridecen-1-ol	198 C13H26O	1000130-75-8 64
3		Heptacosane	380 C27H56	000593-49-7 52
4		Hexadecane, 7-methyl-	240 C17H36	026730-20-1 50
5		Pentadecane, 2,6,10,14-tetramethyl-	268 C19H40	001921-70-6 50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021418\
Data File : BF102984.D
Acq On : 14 Feb 2018 12:54
Operator : SJ/JU
Sample : J1511-03 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

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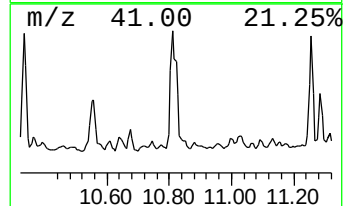
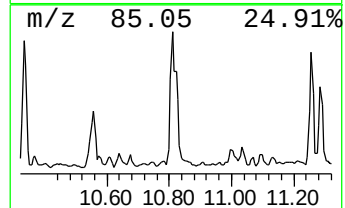
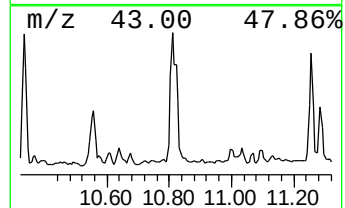
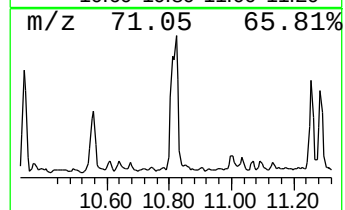
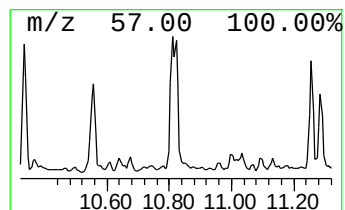
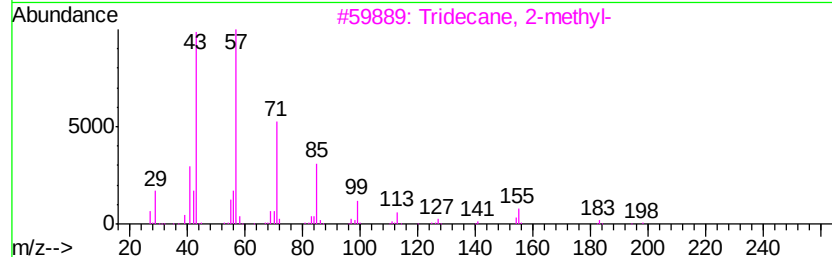
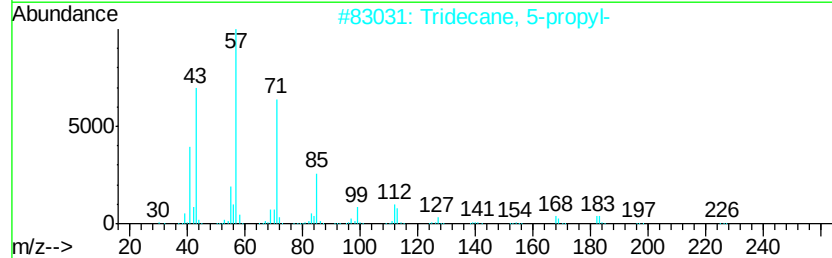
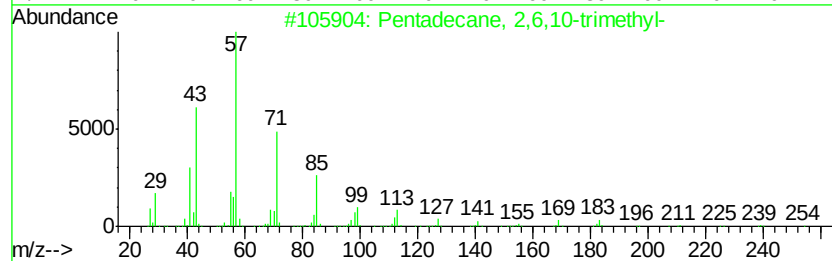
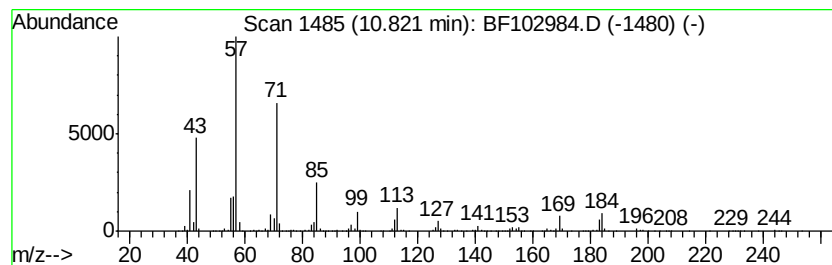
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Pentadecane, 2,6,10-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.82	42.45 ng	2272390	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	80
2		Tridecane, 5-propyl-	226	C16H34	055045-11-9	80
3		Tridecane, 2-methyl-	198	C14H30	001560-96-9	64
4		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64
5		Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	59



Data Path : Z:\HPCHEM1\BNA F\DATA\BF021418\
 Data File : BF102984.D
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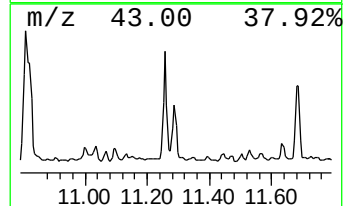
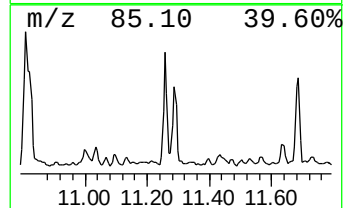
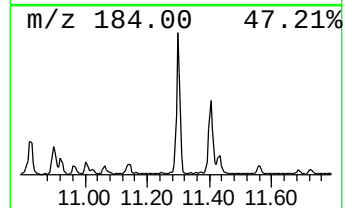
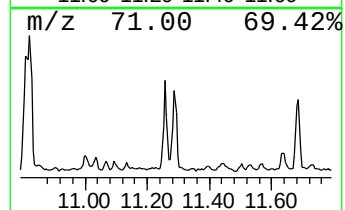
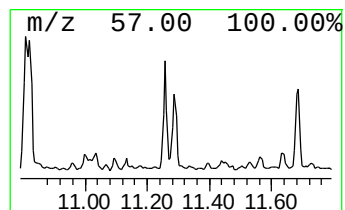
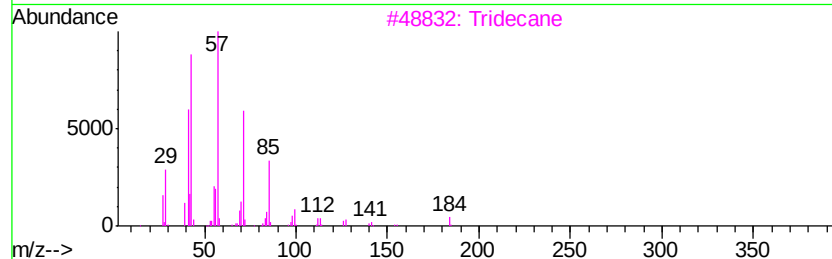
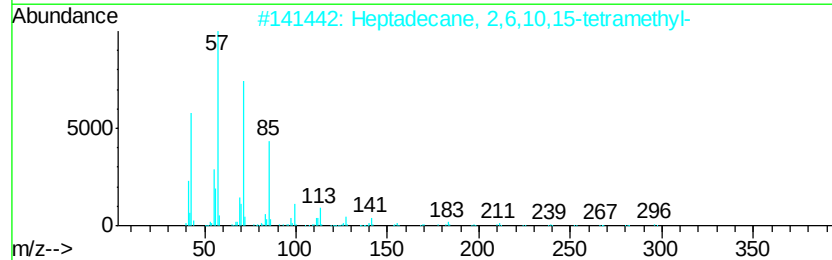
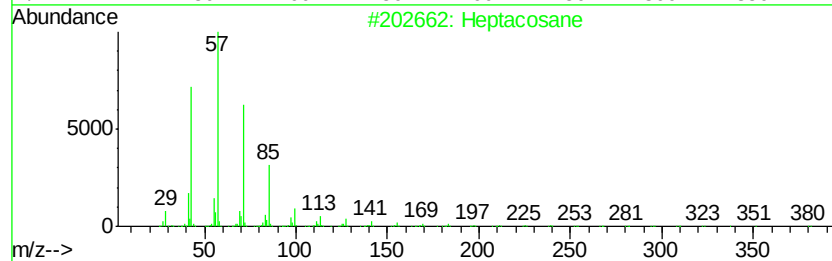
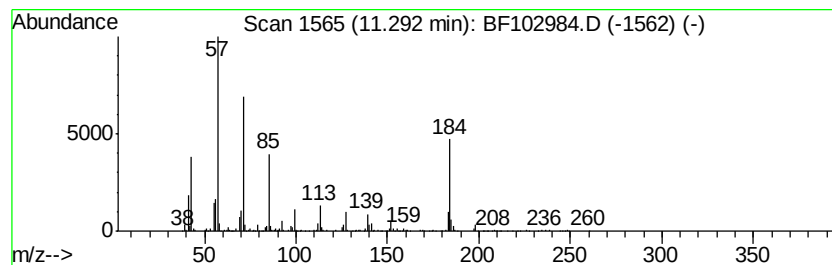
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TIC Library : C:\DATABASE\NIST11.L
 TIC Integration Parameters: LSCINT.P

 Peak Number 13 Heptacosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	18.87 ng	1010110	Phenanthrene-d10	11.40

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptacosane	380	C27H56	000593-49-7	86
2		Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
3		Tridecane	184	C13H28	000629-50-5	80
4		Hexadecane	226	C16H34	000544-76-3	68
5		Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF021418\
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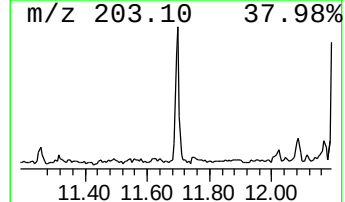
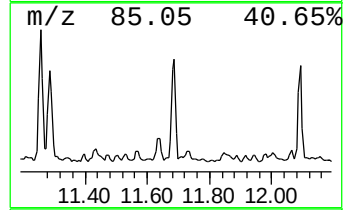
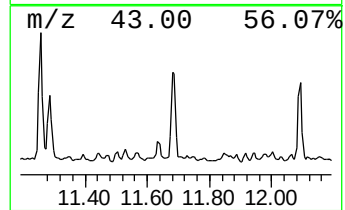
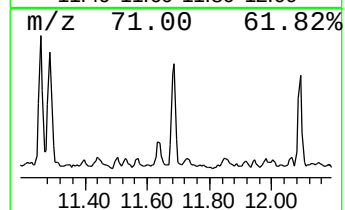
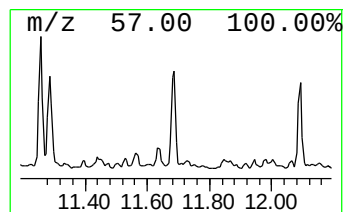
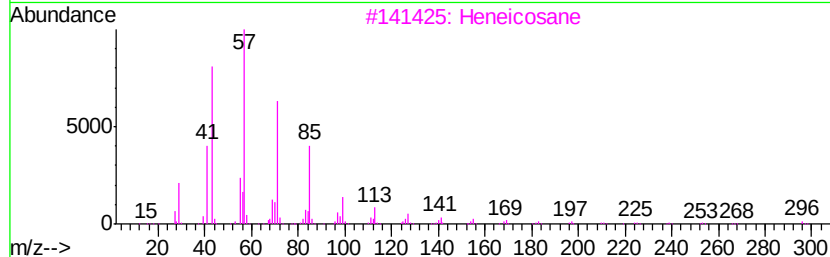
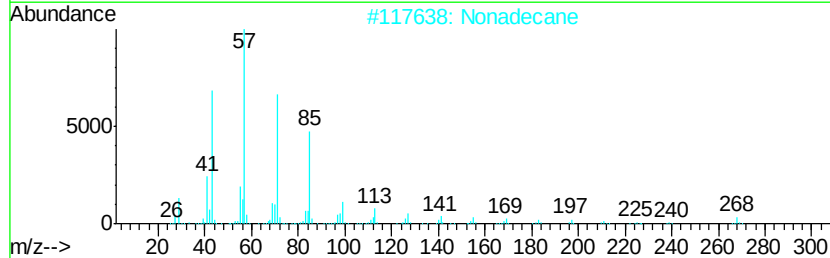
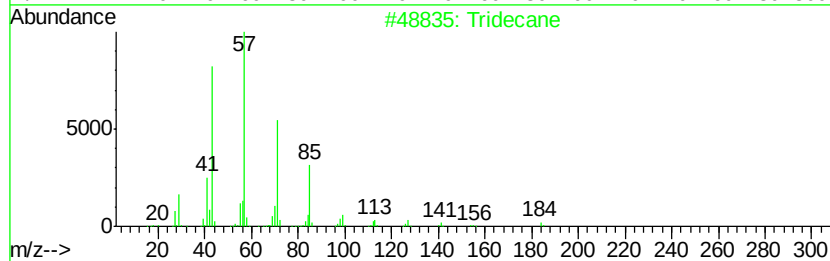
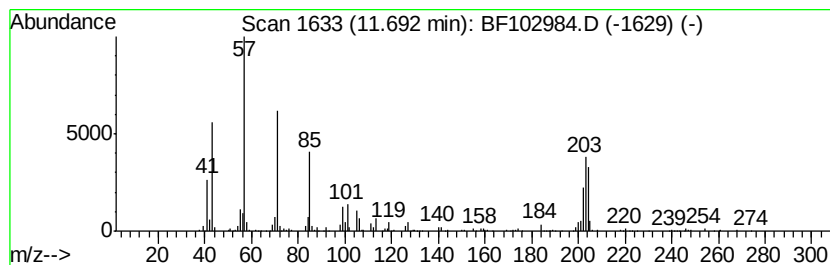
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Tridecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.69	13.77 ng	737255	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tridecane	184	C13H28	000629-50-5	90
2		Nonadecane	268	C19H40	000629-92-5	90
3		Heneicosane	296	C21H44	000629-94-7	90
4		Tetracosane	338	C24H50	000646-31-1	90
5		Pentadecane	212	C15H32	000629-62-9	86



Data Path : Z:\HPCHEM1\BNA F\DATA\BF021418\
Data File : BF102984.D
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Misc :
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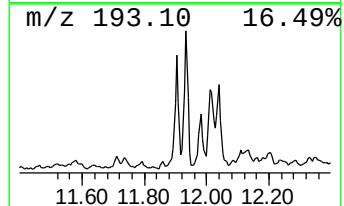
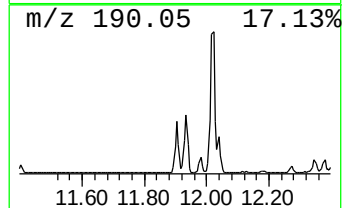
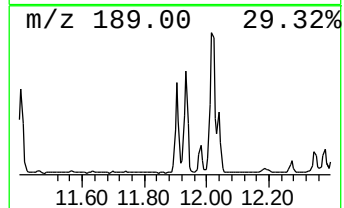
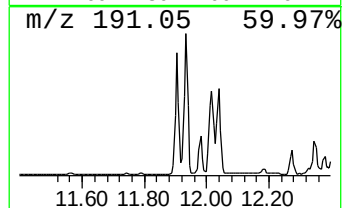
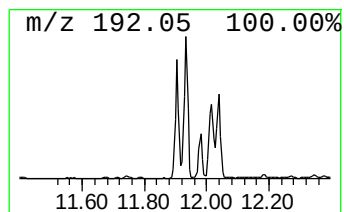
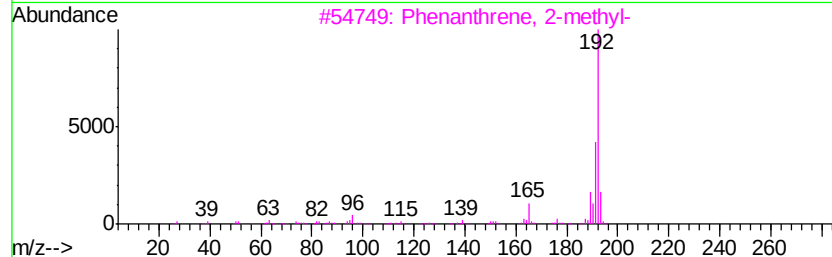
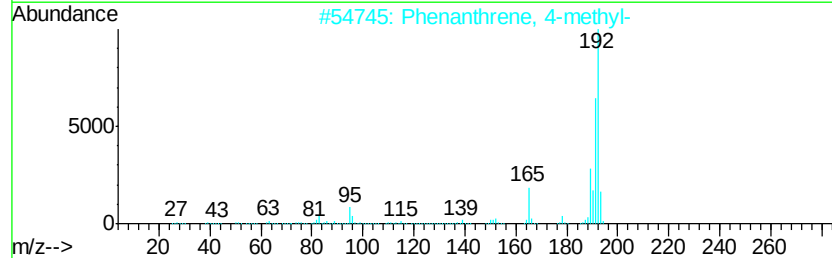
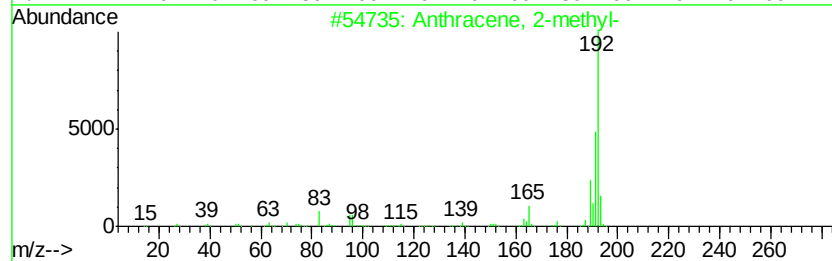
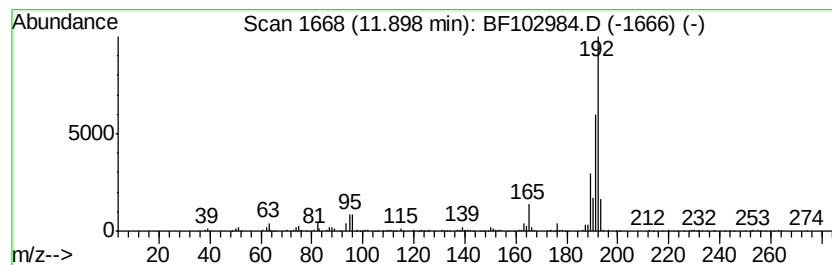
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Anthracene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	9.79 ng	523907	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF021418\
Data File : BF102984.D
Acq On : 14 Feb 2018 12:54
Operator : SJ/JU
Sample : J1511-03 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MM-3

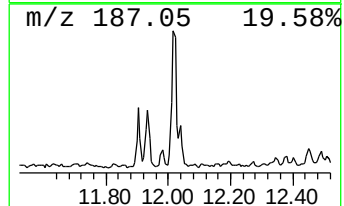
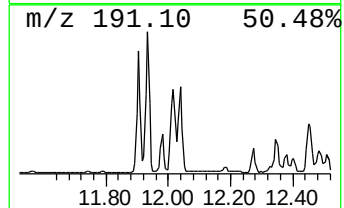
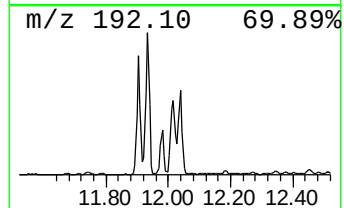
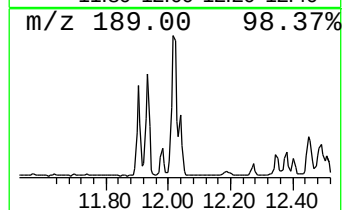
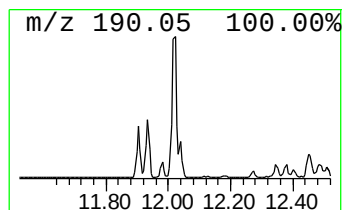
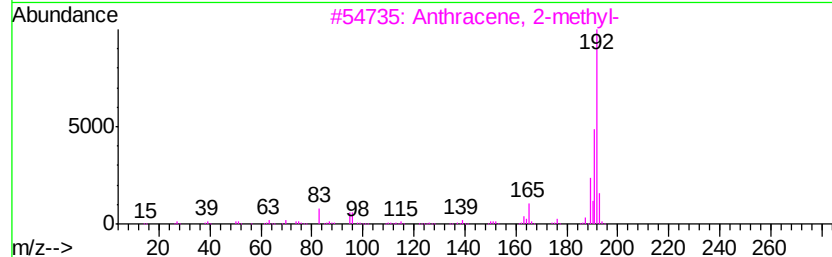
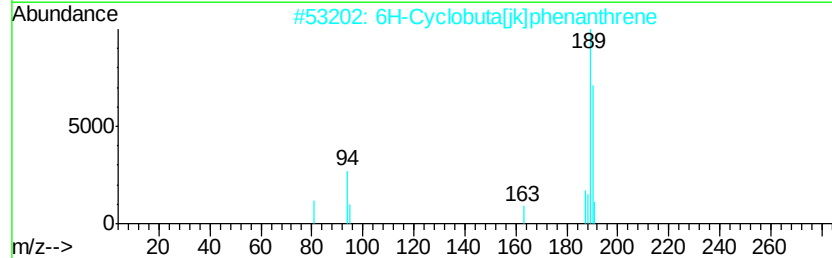
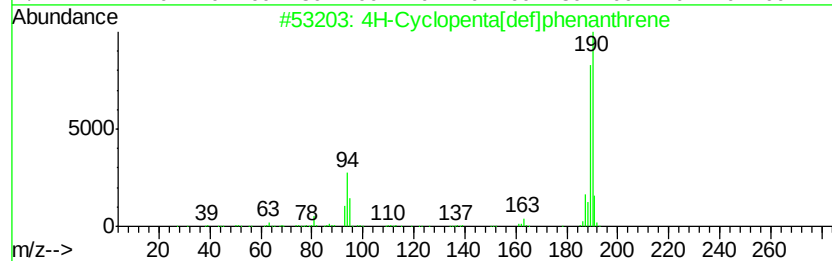
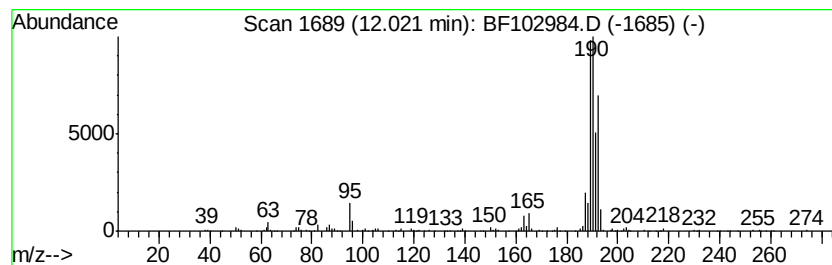
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	12.69 ng	679270	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
2		6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	46
4		1H-Cyclopropa[all]phenanthrene, 1a,...	192	C15H12	000949-41-7	46
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42



Data Path : Z:\HPCHEM1\BNA F\DATA\BF021418\
Data File : BF102984.D
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Operator : SJ/JU
Sample : J1511-03 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

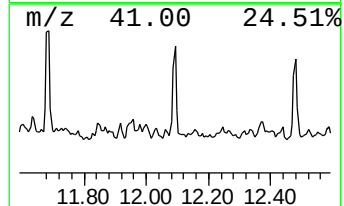
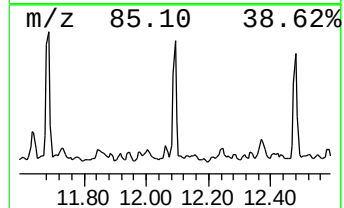
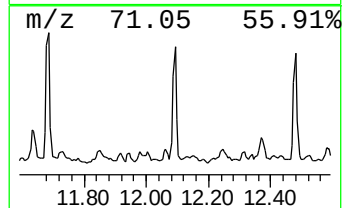
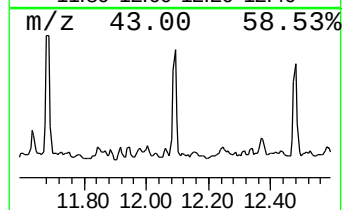
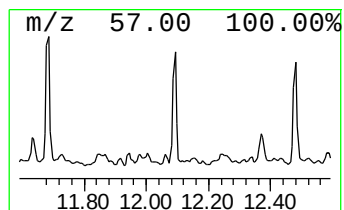
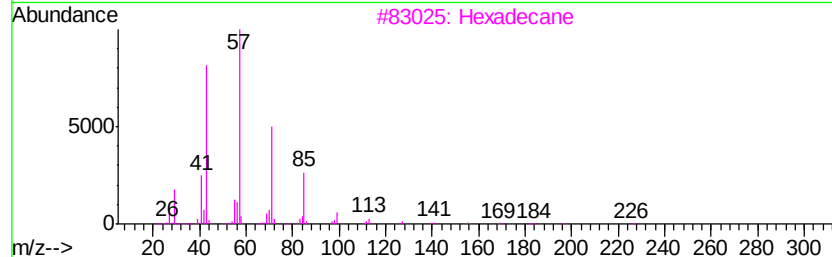
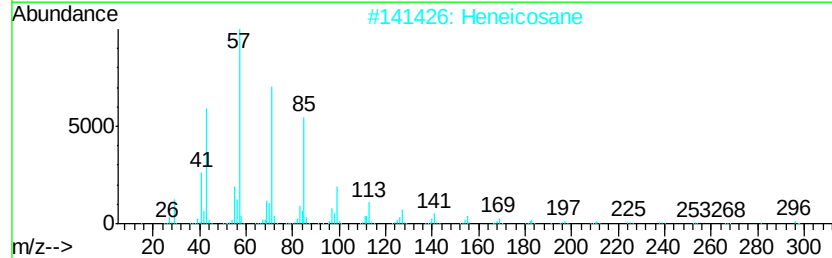
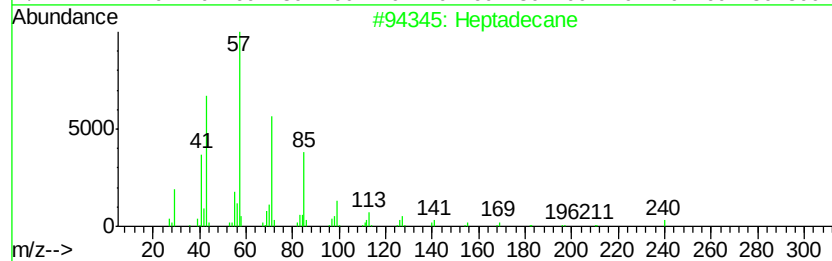
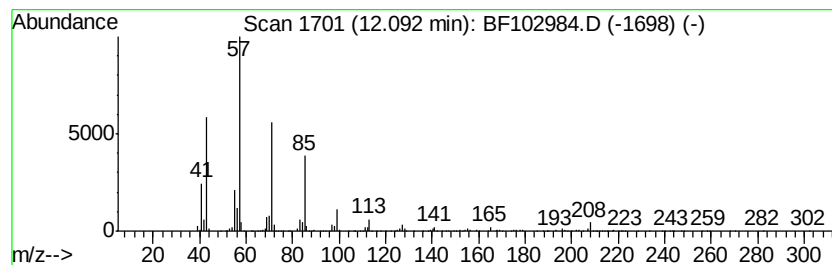
Instrument :
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Heptadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.09	11.49 ng	615179	Phenanthrene-d10	11.40	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	90
2	Heneicosane	296	C21H44	000629-94-7	90
3	Hexadecane	226	C16H34	000544-76-3	86
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	86
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86



Data Path : Z:\HPCHEM1\BNA F\DATA\BF021418\
Data File : BF102984.D
Acq On : 14 Feb 2018 12:54
Operator : SJ/JU
Sample : J1511-03 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MM-3

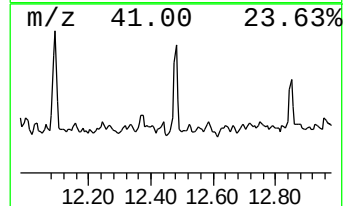
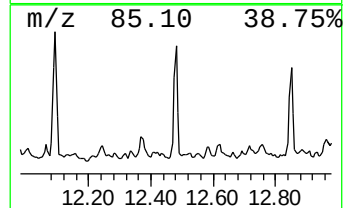
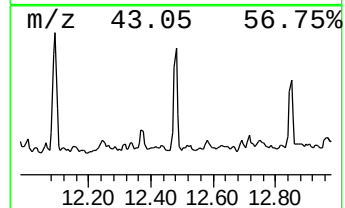
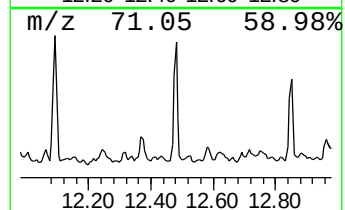
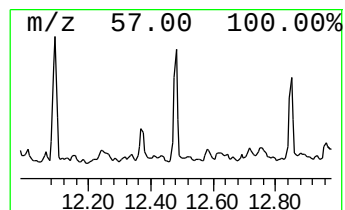
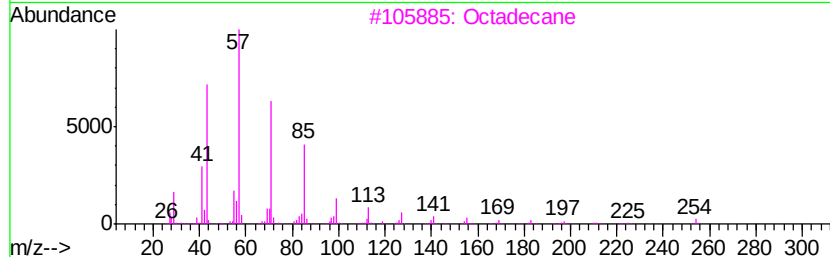
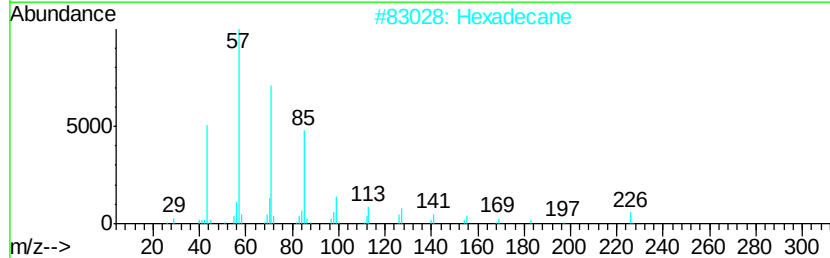
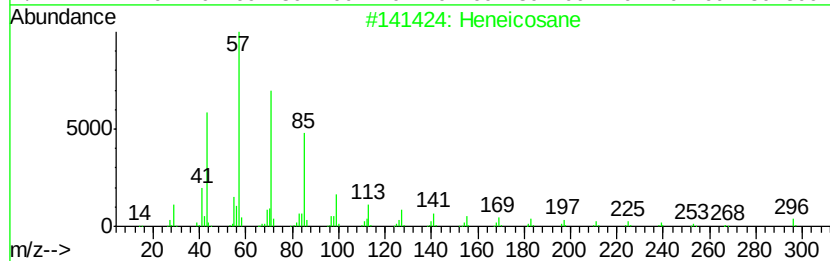
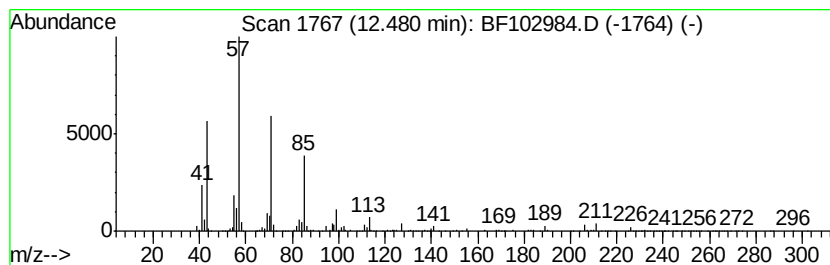
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Heneicosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	13.34 ng	714096	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Heneicosane	296	C21H44	000629-94-7	97
2		Hexadecane	226	C16H34	000544-76-3	94
3		Octadecane	254	C18H38	000593-45-3	94
4		Heptadecane	240	C17H36	000629-78-7	90
5		Pentadecane	212	C15H32	000629-62-9	87



Data Path : Z:\HPCHEM1\BNA F\DATA\BF021418\
Data File : BF102984.D
Acq On : 14 Feb 2018 12:54
Operator : SJ/JU
Sample : J1511-03 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MM-3

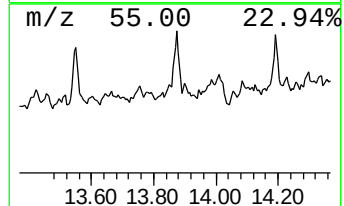
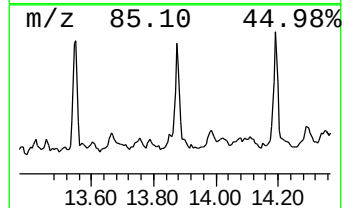
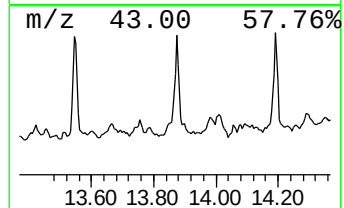
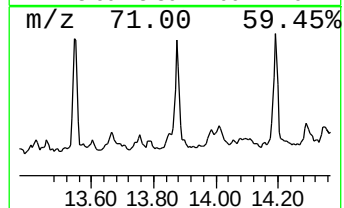
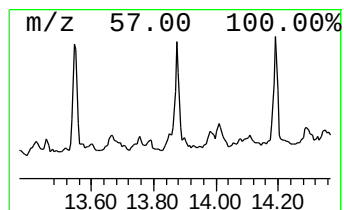
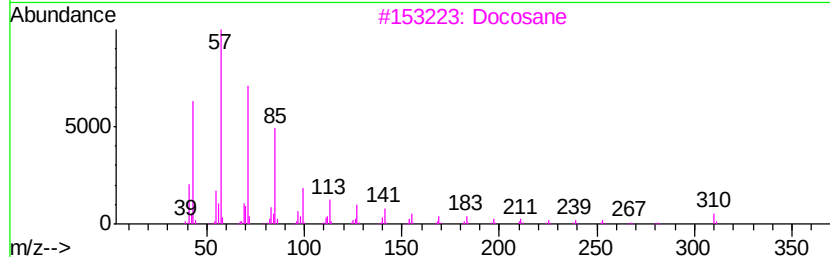
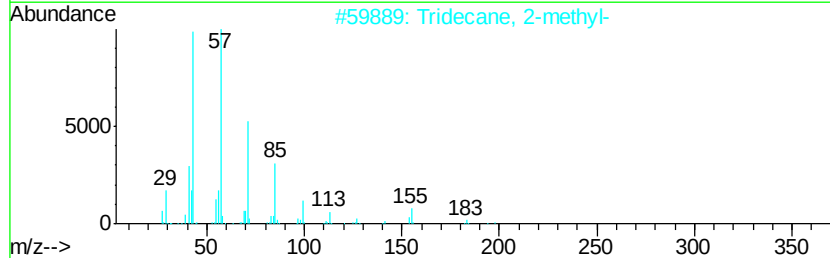
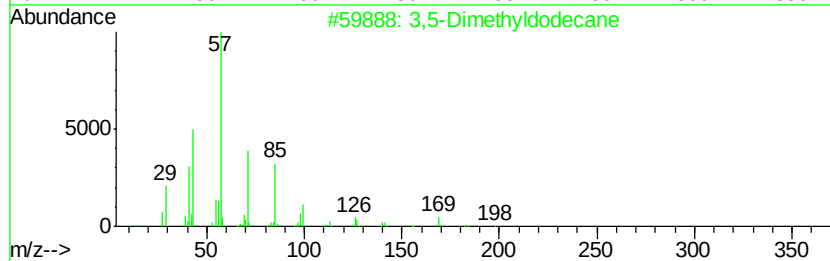
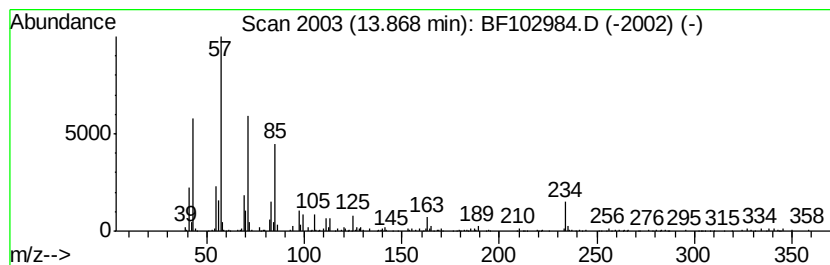
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 3,5-Dimethyldodecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	8.69 ng	746366	Chrysene-d12	14.04

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3,5-Dimethyldodecane	198	C14H30	107770-99-0	83
2		Tridecane, 2-methyl-	198	C14H30	001560-96-9	80
3		Docosane	310	C22H46	000629-97-0	72
4		Hexadecane, 3-methyl-	240	C17H36	006418-43-5	68
5		Heneicosane	296	C21H44	000629-94-7	58



Data Path : Z:\HPCHEM1\BNA F\DATA\BF021418\
Data File : BF102984.D
Acq On : 14 Feb 2018 12:54
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Sample : J1511-03 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

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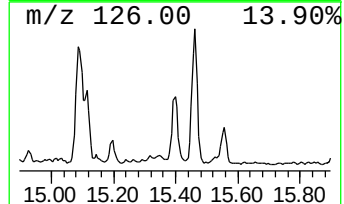
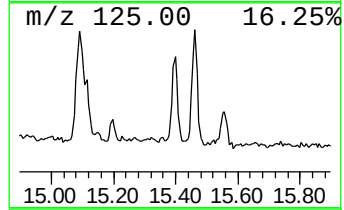
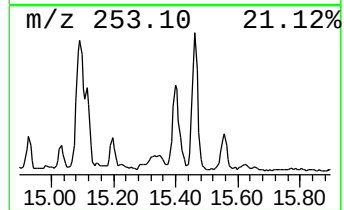
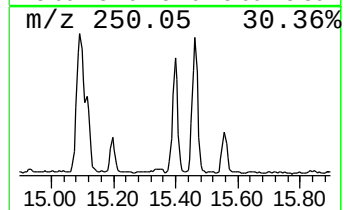
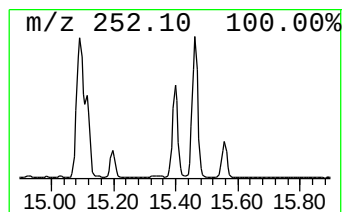
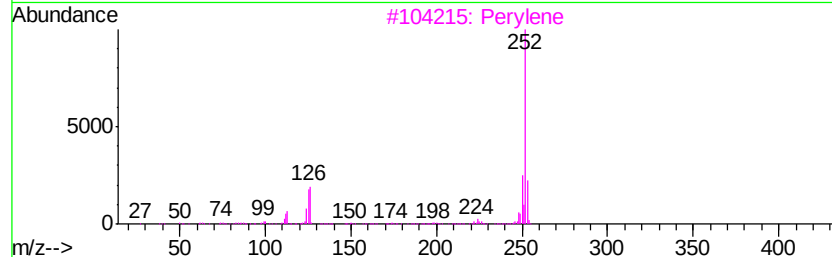
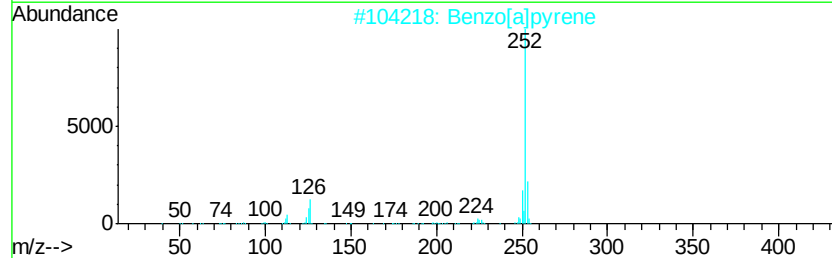
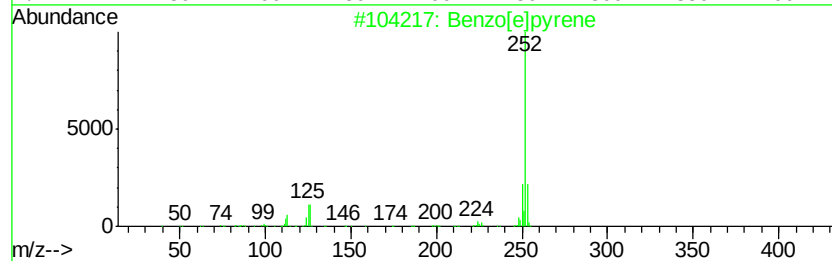
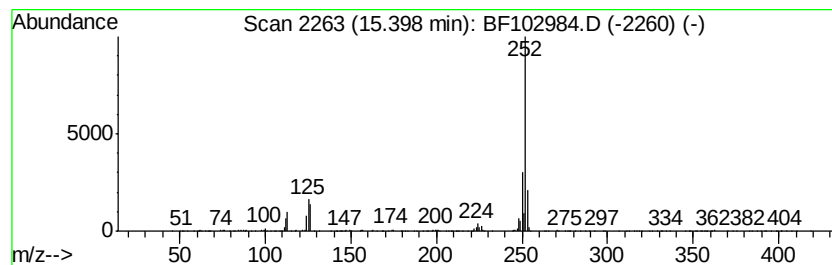
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.40	10.97 ng	517308	Perylene-d12	15.53

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[a]pyrene	252	C20H12	000050-32-8	96
3		Perylene	252	C20H12	000198-55-0	94
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	91



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF021418\
 Data File : BF102984.D
 Acq On : 14 Feb 2018 12:54
 Operator : SJ/JU
 Sample : J1511-03 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MM-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.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
5-Aminoindole	6.64	34.6	ng	1851980	1	6.87	1071470	20.0
Hexadecane	8.74	10.5	ng	733790	2	8.16	1397320	20.0
Tridecane, 6-methyl-	9.31	17.4	ng	1217840	3	9.92	1395750	20.0
Naphthalene, 2,3-...	9.57	8.2	ng	570202	3	9.92	1395750	20.0
Dodecane, 2,7,10-...	9.63	13.3	ng	926558	3	9.92	1395750	20.0
Tridecane, 3-methyl-	10.55	13.2	ng	923582	3	9.92	1395750	20.0
Pentadecane, 2,6,...	10.82	42.5	ng	2272390	4	11.40	1070740	20.0
Heptacosane	11.29	18.9	ng	1010110	4	11.40	1070740	20.0
Tridecane	11.69	13.8	ng	737255	4	11.40	1070740	20.0
Anthracene, 2-met...	11.90	9.8	ng	523907	4	11.40	1070740	20.0
4H-Cyclopenta[def...	12.02	12.7	ng	679270	4	11.40	1070740	20.0
Heptadecane	12.09	11.5	ng	615179	4	11.40	1070740	20.0
Heneicosane	12.48	13.3	ng	714096	4	11.40	1070740	20.0
3,5-Dimethyldodecane	13.87	8.7	ng	746366	5	14.04	1716930	20.0
Benzo[e]pyrene	15.40	11.0	ng	517308	6	15.53	943281	20.0