

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041118\
 Data File : BF104439.D
 Acq On : 11 Apr 2018 15:42
 Operator : JU/SJ
 Sample : J2161-03 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-02-041018-B

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	3.210	188	191	206	rBV	18362	47109	4.32%	0.277%
2	4.998	492	495	500	rVB	30811	30739	2.82%	0.181%
3	5.410	561	565	569	rBV	824077	686119	62.94%	4.036%
4	6.428	735	738	745	rBV	767164	683151	62.66%	4.018%
5	6.575	759	763	766	rVV	795658	726792	66.67%	4.275%
6	6.804	799	802	806	rBV	808666	726904	66.68%	4.276%
7	6.963	825	829	832	rBV	708447	573977	52.65%	3.376%
8	7.369	894	898	901	rBV	451996	403572	37.02%	2.374%
9	8.092	1017	1021	1023	rBV	1095478	901559	82.70%	5.303%
10	8.110	1023	1024	1028	rVB	53724	33030	3.03%	0.194%
11	8.381	1062	1070	1076	rBV5	11134	23726	2.18%	0.140%
12	8.510	1088	1092	1094	rBV	20911	18829	1.73%	0.111%
13	8.681	1118	1121	1124	rBV	22942	21319	1.96%	0.125%
14	8.804	1139	1142	1145	rVB	44135	32800	3.01%	0.193%
15	8.898	1154	1158	1163	rVB	41797	39561	3.63%	0.233%
16	9.110	1191	1194	1199	rVB2	25896	24885	2.28%	0.146%
17	9.163	1199	1203	1206	rBV	1011731	780485	71.59%	4.591%
18	9.245	1213	1217	1219	rBV	38977	36717	3.37%	0.216%
19	9.433	1244	1249	1252	rBV	23066	29012	2.66%	0.171%
20	9.504	1257	1261	1263	rVV	45460	44579	4.09%	0.262%
21	9.528	1263	1265	1267	rVV	27493	23271	2.13%	0.137%
22	9.563	1267	1271	1274	rVV3	62981	77615	7.12%	0.457%
23	9.622	1278	1281	1285	rVV	24509	19386	1.78%	0.114%
24	9.704	1292	1295	1299	rBV	79870	70933	6.51%	0.417%
25	9.775	1305	1307	1311	rVB	47084	34091	3.13%	0.201%
26	9.845	1311	1319	1323	rBV2	1023601	920706	84.46%	5.415%
27	9.881	1323	1325	1330	rVV	67073	58229	5.34%	0.342%
28	9.951	1334	1337	1341	rBV4	14784	15937	1.46%	0.094%
29	10.004	1341	1346	1349	rBV6	14525	21014	1.93%	0.124%
30	10.051	1349	1354	1358	rVB	39360	48973	4.49%	0.288%
31	10.086	1358	1360	1366	rBV5	19776	26580	2.44%	0.156%
32	10.163	1370	1373	1375	rBV2	19701	21794	2.00%	0.128%
33	10.251	1385	1388	1390	rBV3	18478	23433	2.15%	0.138%
34	10.275	1390	1392	1394	rVV2	62812	44562	4.09%	0.262%

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35	10.298	1394	1396	1399	rVV	20578	18104	1.66%	0.106%
36	10.392	1409	1412	1419	rVB	81457	83470	7.66%	0.491%
37	10.457	1419	1423	1425	rBV4	12515	16429	1.51%	0.097%
38	10.498	1425	1430	1435	rVV3	32447	53643	4.92%	0.316%
39	10.551	1436	1439	1441	rVB	17989	17021	1.56%	0.100%
40	10.633	1448	1453	1457	rBV	472420	406755	37.31%	2.392%
41	10.757	1469	1474	1477	rBV2	58980	87865	8.06%	0.517%
42	10.939	1502	1505	1508	rBV2	29040	32764	3.01%	0.193%
43	10.969	1508	1510	1514	rVB2	18366	18155	1.67%	0.107%
44	11.069	1523	1527	1530	rBV5	13164	19026	1.75%	0.112%
45	11.139	1536	1539	1542	rVB3	19382	17650	1.62%	0.104%
46	11.198	1544	1549	1552	rVV3	43144	48257	4.43%	0.284%
47	11.227	1552	1554	1558	rVB	64546	61032	5.60%	0.359%
48	11.286	1561	1564	1566	rBV	18994	18172	1.67%	0.107%
49	11.333	1569	1572	1575	rBV	856175	830238	76.16%	4.883%
50	11.357	1575	1576	1580	rVV	485668	342932	31.46%	2.017%
51	11.410	1582	1585	1588	rVB	161557	124772	11.45%	0.734%
52	11.445	1588	1591	1594	rBV2	23569	27437	2.52%	0.161%
53	11.545	1605	1608	1610	rBV	38298	35840	3.29%	0.211%
54	11.563	1610	1611	1617	rVV	45057	55225	5.07%	0.325%
55	11.627	1619	1622	1625	rVV2	44820	48997	4.49%	0.288%
56	11.669	1625	1629	1633	rVV2	32072	45409	4.17%	0.267%
57	11.727	1636	1639	1641	rVV	149008	116293	10.67%	0.684%
58	11.751	1641	1643	1646	rVB	20099	18385	1.69%	0.108%
59	11.839	1654	1658	1660	rBV	82805	81953	7.52%	0.482%
60	11.863	1660	1662	1667	rVB	128914	112829	10.35%	0.664%
61	11.910	1667	1670	1673	rBV	48869	50238	4.61%	0.295%
62	11.951	1673	1677	1679	rVV2	160797	173794	15.94%	1.022%
63	11.975	1679	1681	1685	rVB	66872	54601	5.01%	0.321%
64	12.033	1689	1691	1695	rVV3	28986	31125	2.86%	0.183%
65	12.069	1695	1697	1700	rVB3	19732	15994	1.47%	0.094%
66	12.133	1705	1708	1710	rVV	59492	49998	4.59%	0.294%
67	12.157	1710	1712	1716	rVB4	27333	31056	2.85%	0.183%
68	12.263	1728	1730	1732	rBV	24926	24968	2.29%	0.147%
69	12.316	1736	1739	1741	rVV	34155	30898	2.83%	0.182%
70	12.339	1741	1743	1745	rVB2	31020	24666	2.26%	0.145%
71	12.386	1745	1751	1753	rBV	99135	108499	9.95%	0.638%

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72	12.416	1753	1756	1758	rVV	574912	503596	46.19%	2.962%
73	12.439	1758	1760	1764	rVV3	310273	287646	26.39%	1.692%
74	12.474	1764	1766	1770	rVV2	42003	50195	4.60%	0.295%
75	12.522	1771	1774	1776	rVV2	62188	56009	5.14%	0.329%
76	12.551	1776	1779	1782	rVV	758405	619282	56.81%	3.643%
77	12.598	1784	1787	1788	rVV2	22962	25733	2.36%	0.151%
78	12.645	1792	1795	1797	rBV	45269	39342	3.61%	0.231%
79	12.704	1802	1805	1808	rBV2	35063	41030	3.76%	0.241%
80	12.780	1812	1818	1824	rBV	718717	773954	70.99%	4.552%
81	12.833	1824	1827	1831	rVB2	40339	48786	4.48%	0.287%
82	12.898	1835	1838	1839	rBV2	45056	41188	3.78%	0.242%
83	12.921	1839	1842	1850	rVB	731965	661176	60.65%	3.889%
84	12.998	1852	1855	1858	rBV3	55827	71549	6.56%	0.421%
85	13.086	1867	1870	1871	rBV3	49598	54547	5.00%	0.321%
86	13.110	1871	1874	1877	rVB	129484	125036	11.47%	0.735%
87	13.174	1883	1885	1888	rVB	106410	78333	7.19%	0.461%
88	13.210	1888	1891	1894	rBV2	93492	99192	9.10%	0.583%
89	13.304	1904	1907	1909	rBV	68484	53806	4.94%	0.316%
90	13.333	1910	1912	1915	rVV	62501	52608	4.83%	0.309%
91	13.727	1977	1979	1982	rVB	48278	42224	3.87%	0.248%
92	13.757	1982	1984	1986	rBV	50863	32092	2.94%	0.189%
93	13.780	1986	1988	1992	rBV3	54733	82414	7.56%	0.485%
94	13.821	1992	1995	1999	rVB3	92106	103959	9.54%	0.611%
95	13.980	2017	2022	2025	rBV2	877219	1090170	100.00%	6.412%
96	14.010	2025	2027	2033	rVB	294428	257387	23.61%	1.514%
97	14.086	2038	2040	2044	rVB	55828	52180	4.79%	0.307%
98	15.027	2197	2200	2203	rBV	221060	306744	28.14%	1.804%
99	15.392	2258	2262	2268	rVB	194673	252999	23.21%	1.488%
100	15.457	2269	2273	2276	rBV	411234	492318	45.16%	2.896%

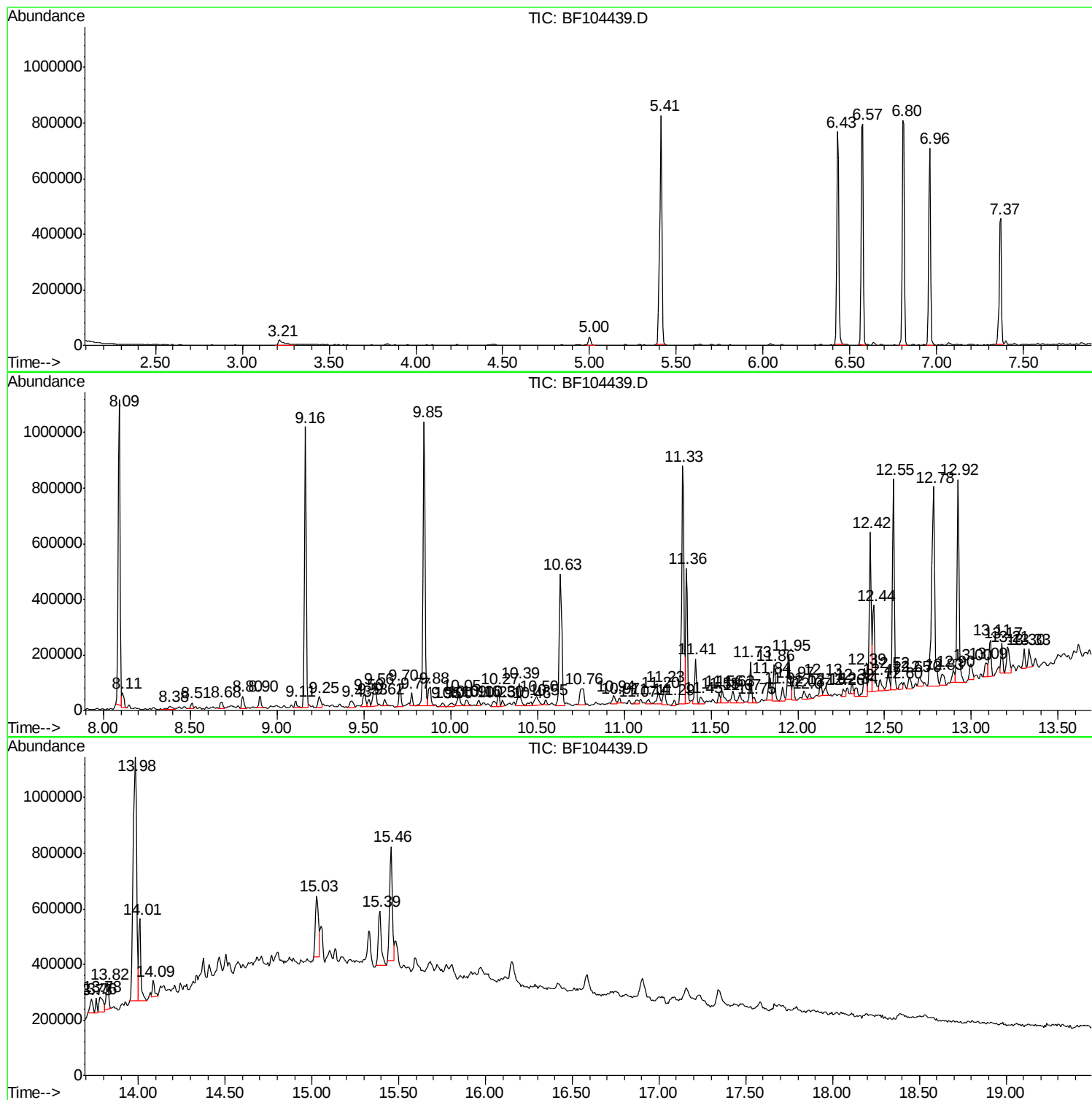
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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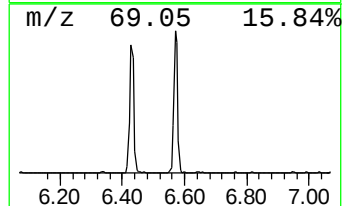
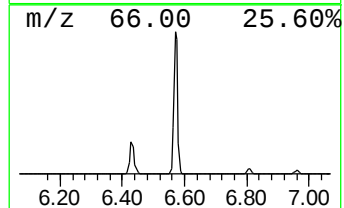
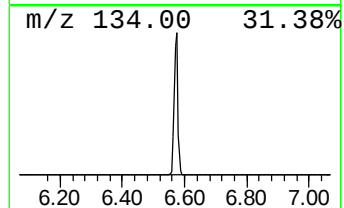
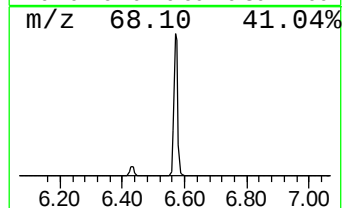
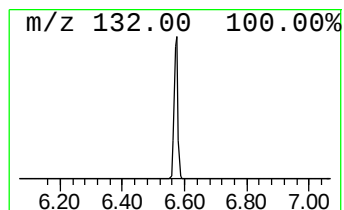
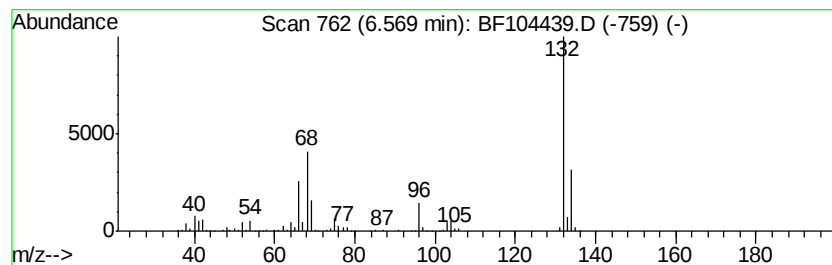
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.57 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	20.00 ng	726792	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	38
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	12
4		5-Aminoindole	132	C8H8N2	005192-03-0	12
5		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9



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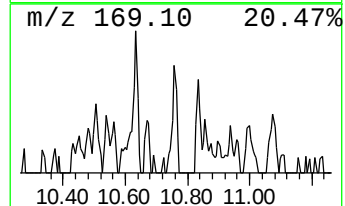
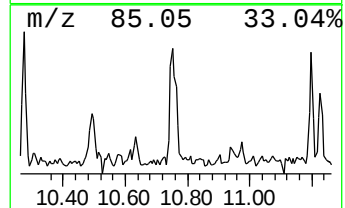
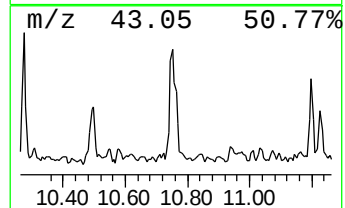
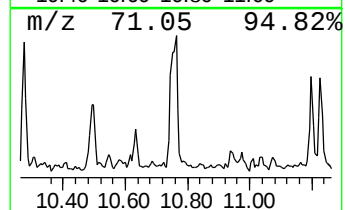
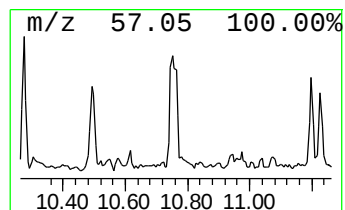
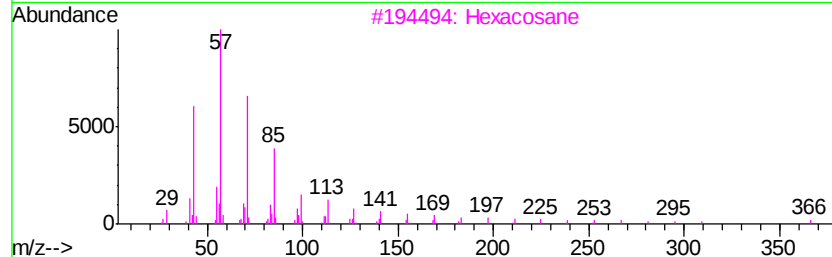
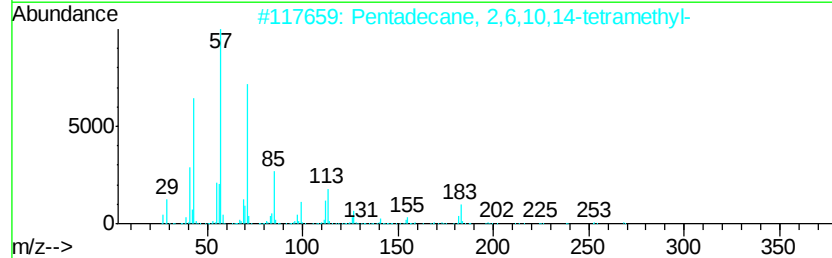
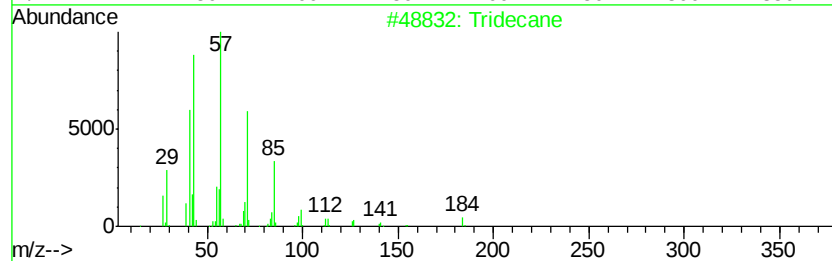
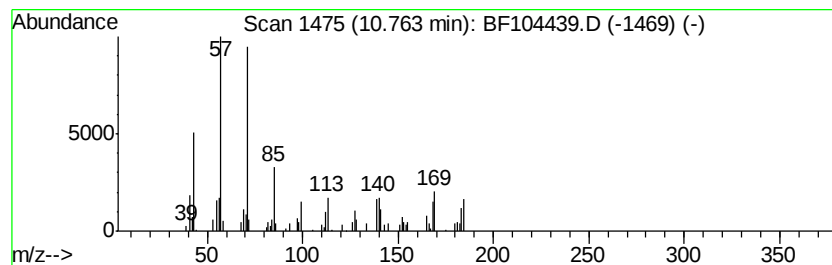
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Tridecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.76	2.12 ng	87865	Phenanthrene-d10		11.33	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tridecane	184	C13H28	000629-50-5	55
2		Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	53
3		Hexacosane	366	C26H54	000630-01-3	49
4		Dodecane	170	C12H26	000112-40-3	49
5		Octadecane	254	C18H38	000593-45-3	47



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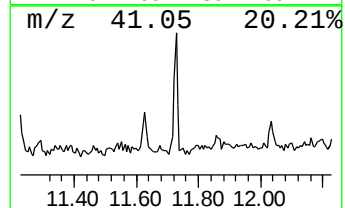
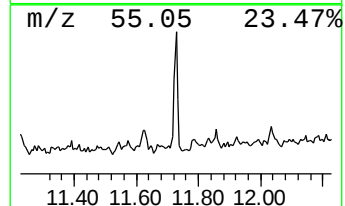
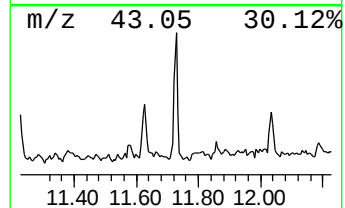
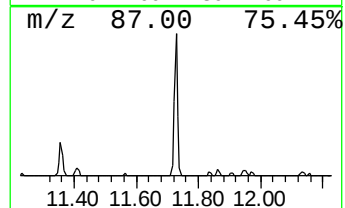
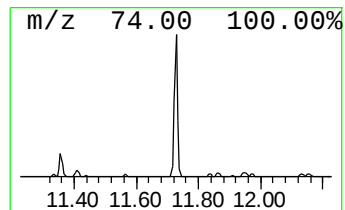
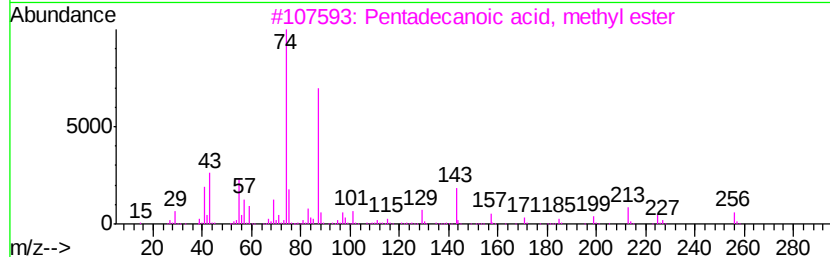
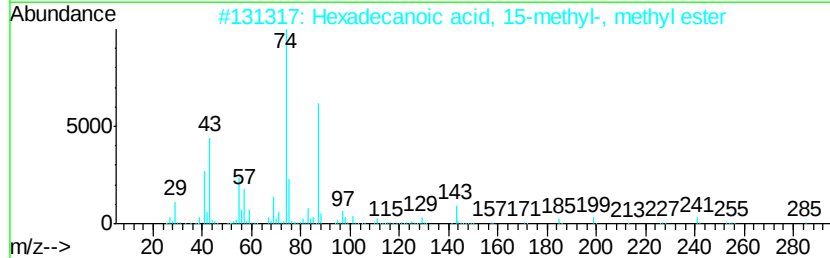
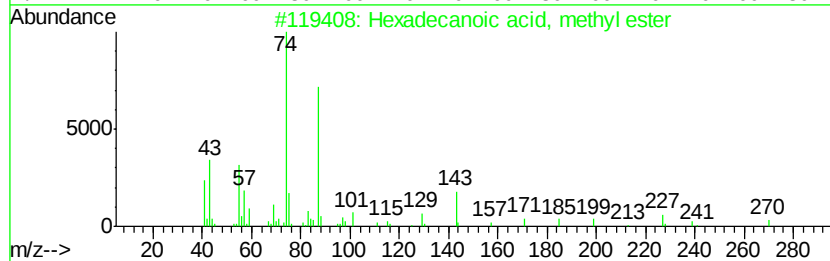
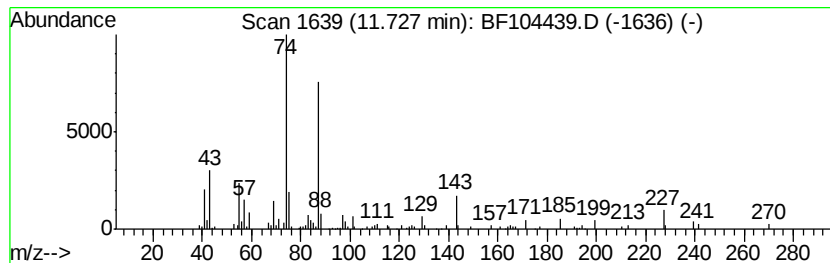
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Hexadecanoic acid, methyl e... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	2.80 ng	116293	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2		Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	87
3		Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
4		Methyl tetradecanoate	242	C15H30O2	000124-10-7	83
5		Dodecanoic acid, methyl ester	214	C13H26O2	000111-82-0	72



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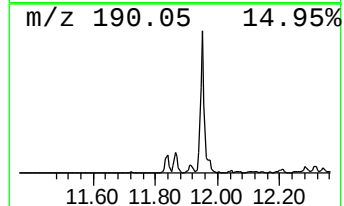
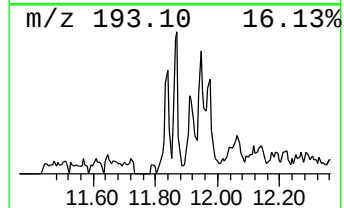
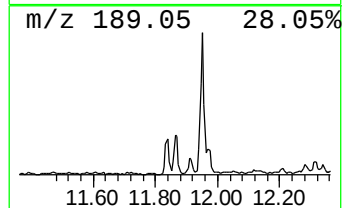
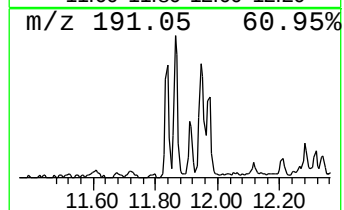
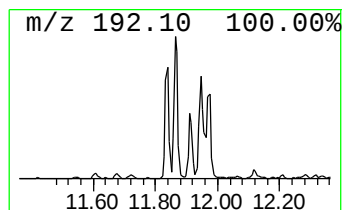
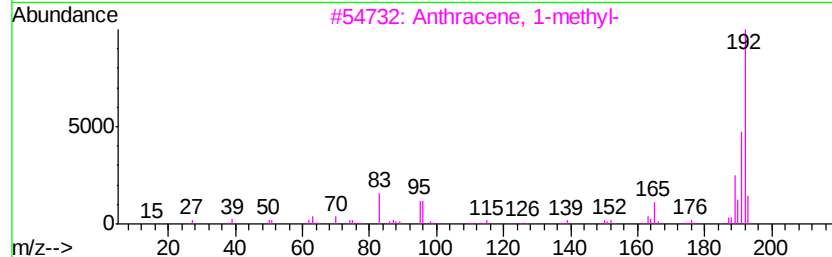
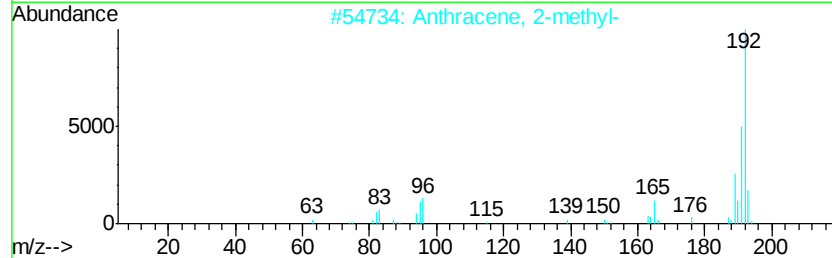
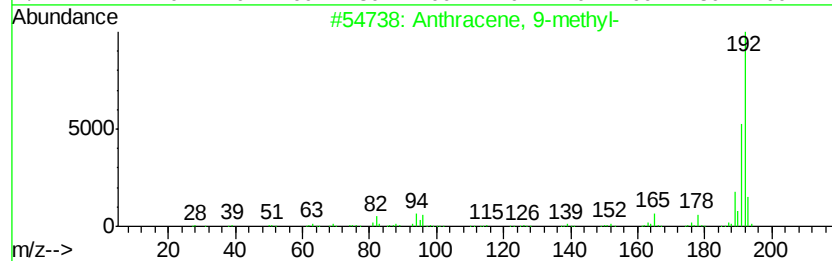
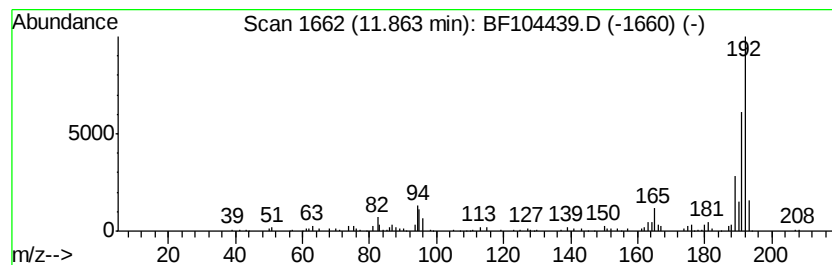
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Anthracene, 9-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	2.72 ng	112829	Phenanthrene-d10	11.33

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	83
5		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041118\
Data File : BF104439.D
Acq On : 11 Apr 2018 15:42
Operator : JU/SJ
Sample : J2161-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-041018-B

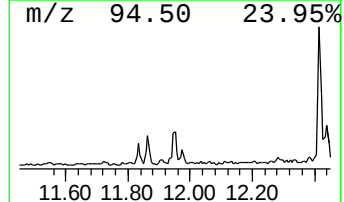
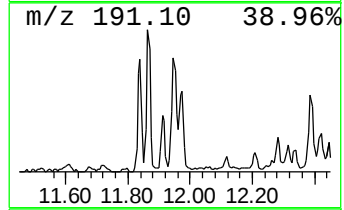
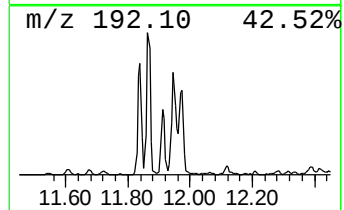
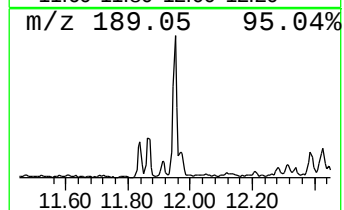
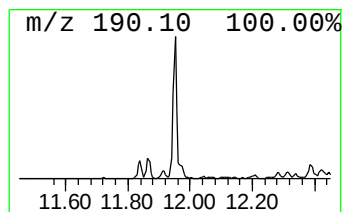
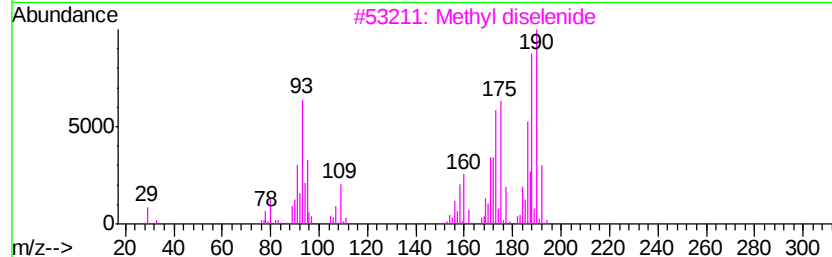
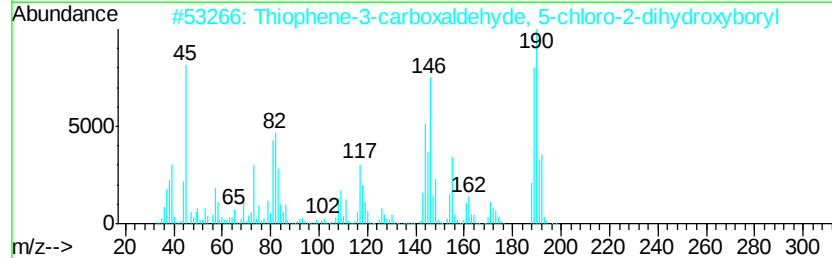
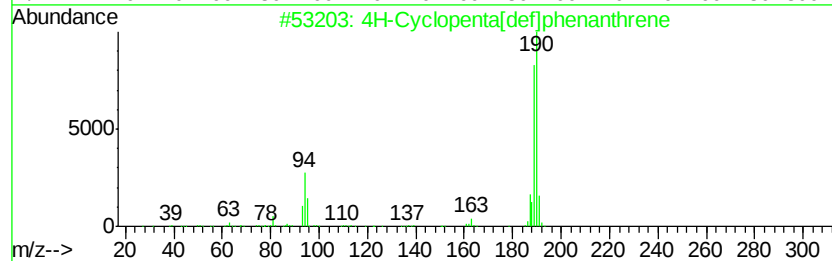
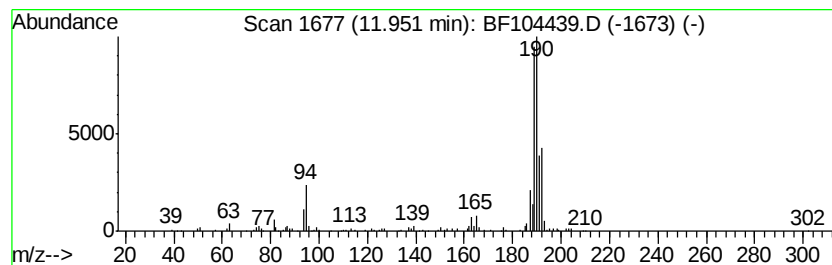
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	4.19 ng	173794	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
3	Methyl diselenide	190	C2H6Se2	007101-31-7	43
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041118\
Data File : BF104439.D
Acq On : 11 Apr 2018 15:42
Operator : JU/SJ
Sample : J2161-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

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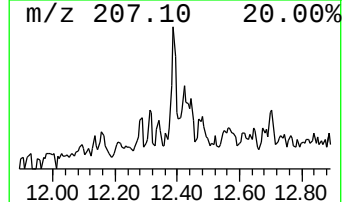
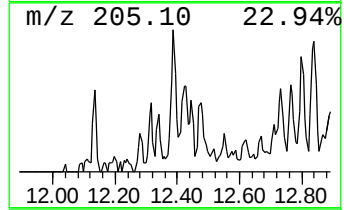
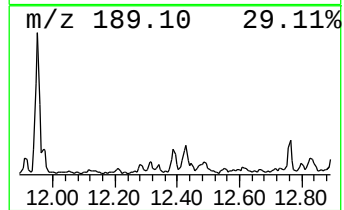
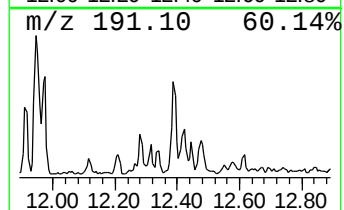
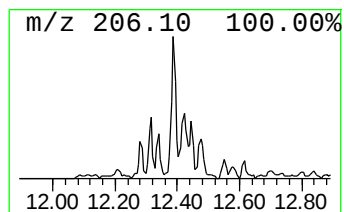
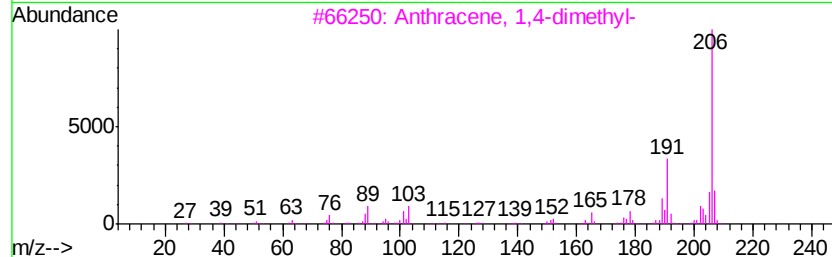
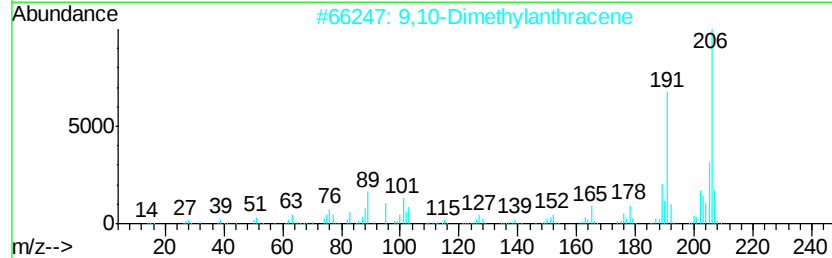
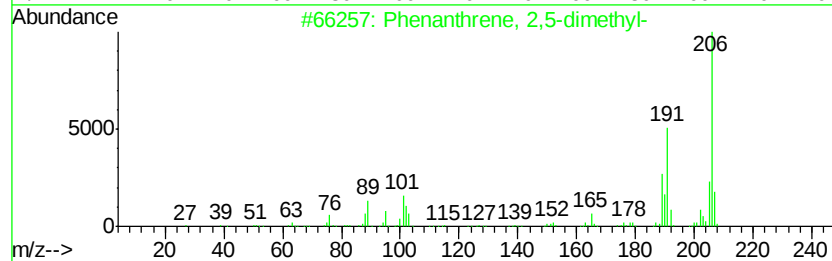
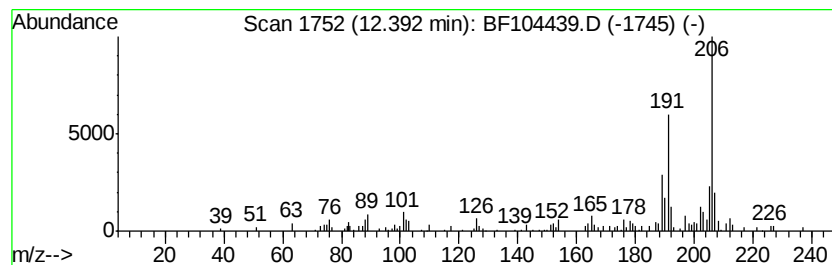
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	2.61 ng	108499	Phenanthrene-d10	11.33

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2			9,10-Dimethylantracene	206	C16H14	000781-43-1	95
3			Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	94
4			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041118\
Data File : BF104439.D
Acq On : 11 Apr 2018 15:42
Operator : JU/SJ
Sample : J2161-03 5X
Misc :
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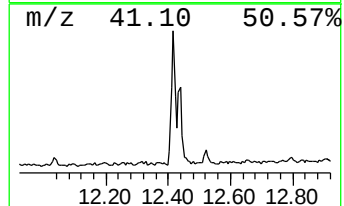
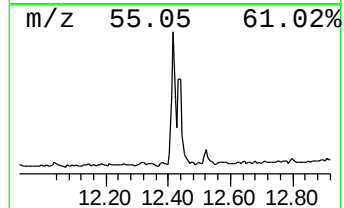
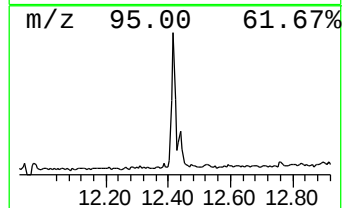
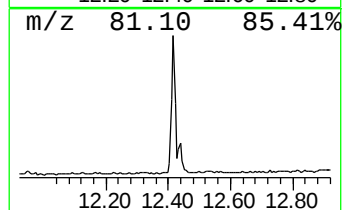
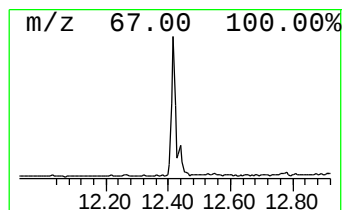
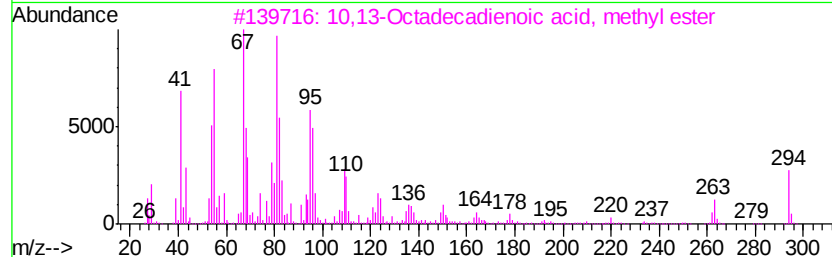
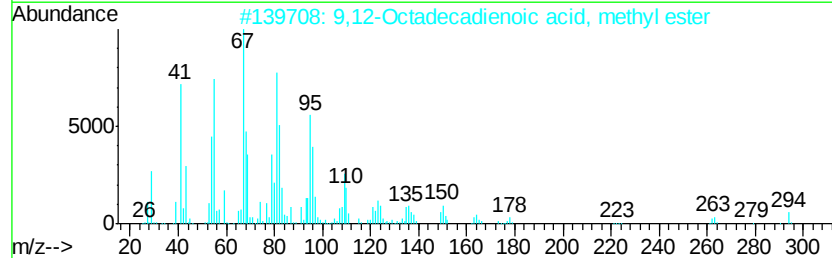
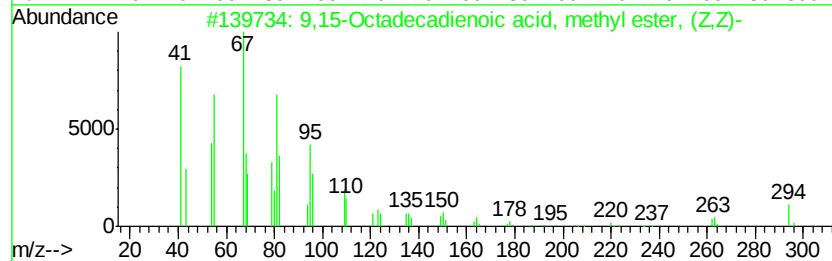
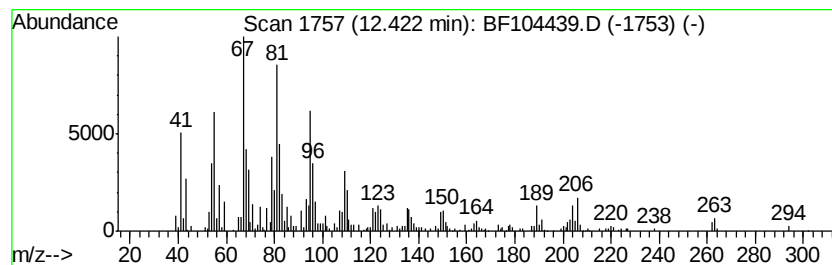
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 9,15-Octadecadienoic acid, ... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.42	12.13 ng	503596	Phenanthrene-d10	11.33	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
2	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
3	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
4	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
5	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041118\
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Acq On : 11 Apr 2018 15:42
Operator : JU/SJ
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ClientSampleId :
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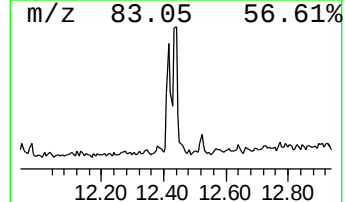
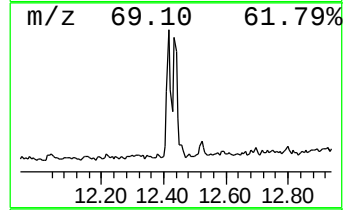
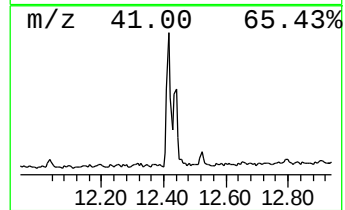
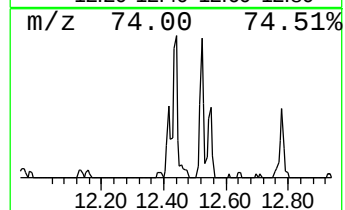
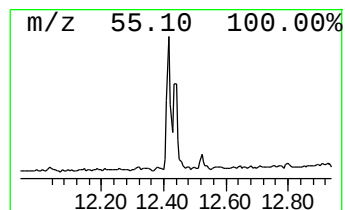
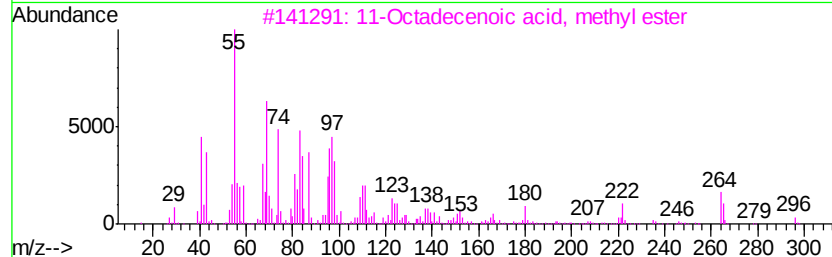
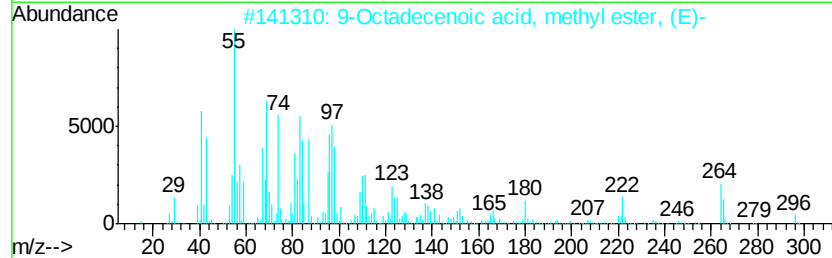
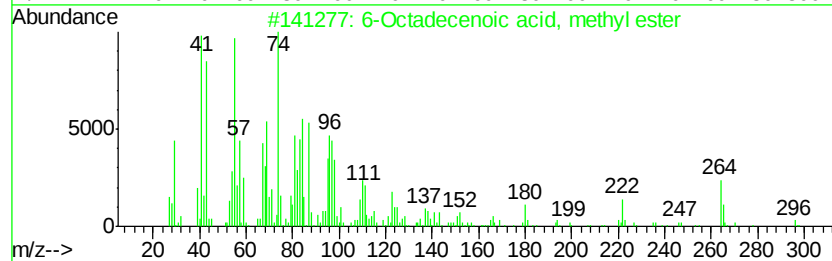
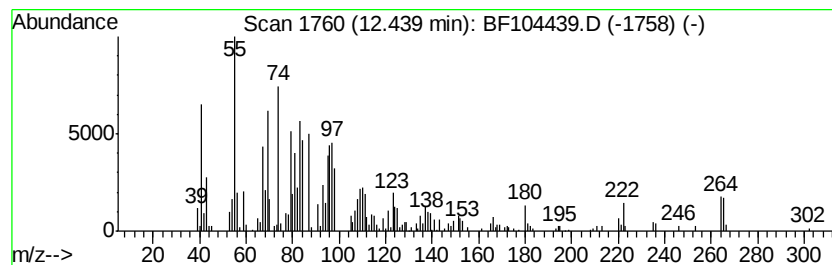
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 6-Octadecenoic acid, methyl... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	6.93 ng	287646	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	6-Octadecenoic acid, methyl ester	296	C19H36O2	052355-31-4	93
2		9-Octadecenoic acid, methyl ester...	296	C19H36O2	001937-62-8	93
3		11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	93
4		7-Octadecenoic acid, methyl ester	296	C19H36O2	057396-98-2	93
5		9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	91



Data Path : Z:\HPCHEM1\BNA F\DATA\BF041118\
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Operator : JU/SJ
Sample : J2161-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

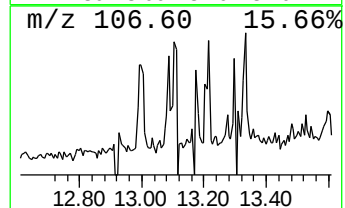
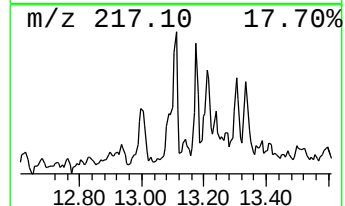
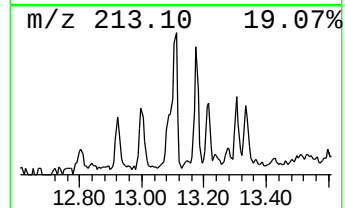
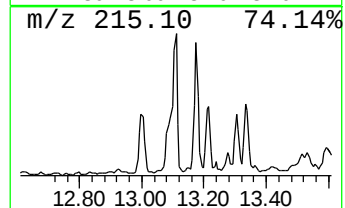
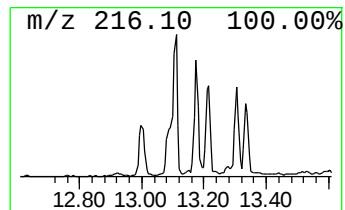
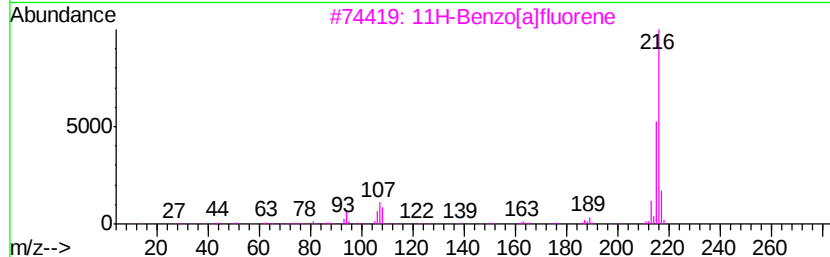
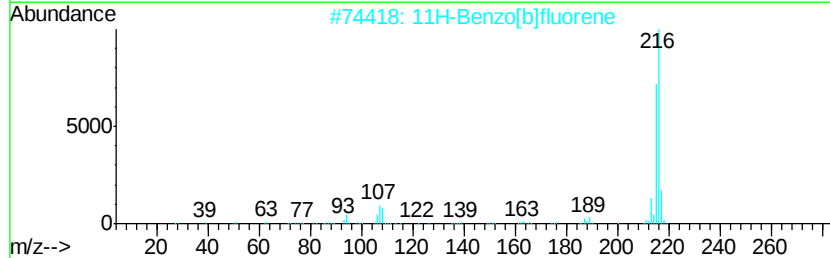
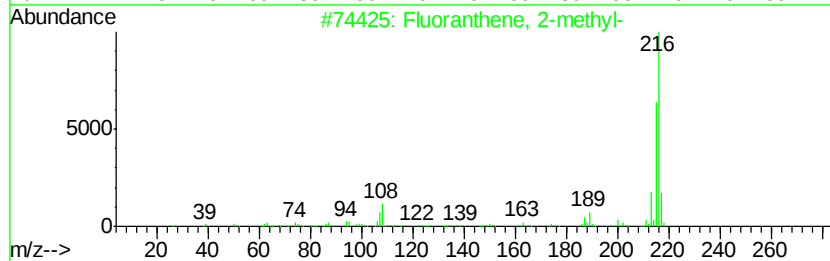
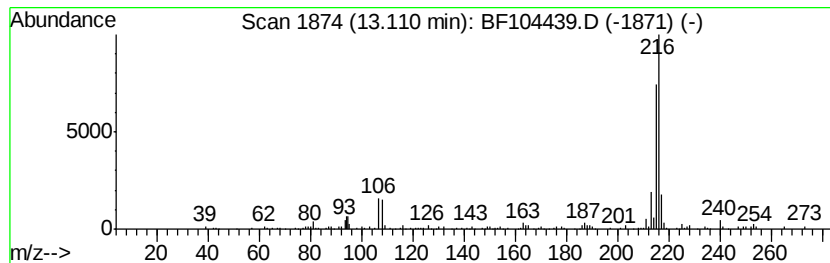
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Fluoranthene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.11	2.29 ng	125036	Chrysene-d12	13.98	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Pvrene, 1-methyl-	216	C17H12	002381-21-7	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041118\
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Acq On : 11 Apr 2018 15:42
Operator : JU/SJ
Sample : J2161-03 5X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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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
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Tridecane	10.76	2.1	ng	87865	4	11.33	830238	20.0
Hexadecanoic acid...	11.73	2.8	ng	116293	4	11.33	830238	20.0
Anthracene, 9-met...	11.86	2.7	ng	112829	4	11.33	830238	20.0
4H-Cyclopenta[def...	11.95	4.2	ng	173794	4	11.33	830238	20.0
Phenanthrene, 2,5...	12.39	2.6	ng	108499	4	11.33	830238	20.0
9,15-Octadecadien...	12.42	12.1	ng	503596	4	11.33	830238	20.0
6-Octadecenoic ac...	12.44	6.9	ng	287646	4	11.33	830238	20.0
Fluoranthene, 2-m...	13.11	2.3	ng	125036	5	13.98	1090170	20.0