LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF013118\
Data File : BF102667.D
Acq On : 31 Jan 2018 20:57
Operator : SJ/JU
Sample : J1016-07 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-013018

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

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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	4.887	472	476	489	rVB	98613	124407	6.14%	0.418%
2	5.316	545	549	566	rBV	1784461	1942713	95.93%	6.522%
3	6.351	721	725	742	rBV	1962129	2025082	100.00%	6.799%
4	6.475	742	746	753	rVV	2325572	2014950	99.50%	6.765%
5	6.528	753	755	761	rVB5	22188	30176	1.49%	0.101%
6	6.704	781	785	792	rBV	1050666	905457	44.71%	3.040%
7	6.857	807	811	821	rBV	1778904	1515748	74.85%	5.089%
8	7.269	878	881	890	rBV	1203265	1208147	59.66%	4.056%
9	7.728	956	959	964	rBV6	20518	31205	1.54%	0.105%
10	7.963	996	999	1000	rBV	63360	51727	2.55%	0.174%
11	7.986	1000	1003	1009	rVV	1424200	1266752	62.55%	4.253%
12	8.039	1010	1012	1015	rVB	46165	44732	2.21%	0.150%
13	8.275	1047	1052	1058	rVB6	28509	43677	2.16%	0.147%
14	8.357	1064	1066	1070	rVB4	21595	25033	1.24%	0.084%
15	8.398	1070	1073	1075	rBV	57932	52420	2.59%	0.176%
16	8.486	1085	1088	1091	rBV2	44970	39290	1.94%	0.132%
17	8.575	1100	1103	1106	rBV	88467	84501	4.17%	0.284%
18	8.698	1122	1124	1129	rBV	70613	71725	3.54%	0.241%
19	8.798	1137	1141	1145	rBV2	106003	107121	5.29%	0.360%
20	8.933	1160	1164	1168	rBV4	27309	34577	1.71%	0.116%
21	8.975	1168	1171	1173	rBV2	30053	24914	1.23%	0.084%
22	8.998	1173	1175	1178	rBV	90519	72244	3.57%	0.243%
23	9.063	1182	1186	1189	rBV	2162208	1946499	96.12%	6.535%
24	9.133	1195	1198	1201	rBV	143109	131007	6.47%	0.440%
25	9.163	1201	1203	1208	rBV3	19714	25069	1.24%	0.084%
26	9.210	1208	1211	1214	rVB4	28261	25155	1.24%	0.084%
27	9.257	1216	1219	1224	rVB2	22260	31732	1.57%	0.107%
28	9.327	1227	1231	1235	rBV	75894	100545	4.96%	0.338%
29	9.392	1239	1242	1245	rBV3	118886	164761	8.14%	0.553%
30	9.457	1250	1253	1260	rVB2	331806	332292	16.41%	1.116%
31	9.516	1260	1263	1272	rVB	101223	138772	6.85%	0.466%
32	9.598	1274	1277	1281	rBV	133282	127969	6.32%	0.430%
33	9.639	1281	1284	1286	rBV3	34403	26109	1.29%	0.088%
34	9.663	1286	1288	1292	rVB	229908	166466	8.22%	0.559%

LSC Area Percent Report

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Data File : BF102667.D
Acq On : 31 Jan 2018 20:57
Operator : SJ/JU
Sample : J1016-07 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-013018

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

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.704	1292	1295	1297	rBV3	38160	46754	2.31%	0.157%
36	9.739	1297	1301	1304	rVV	1427392	1218485	60.17%	4.091%
37	9.769	1304	1306	1310	rVB	150854	123190	6.08%	0.414%
38	9.839	1315	1318	1322	rBV3	45012	59957	2.96%	0.201%
39	9.892	1323	1327	1330	rBV5	47970	69033	3.41%	0.232%
40	9.922	1330	1332	1333	rVV	34494	30374	1.50%	0.102%
41	9.945	1333	1336	1339	rVB3	92503	105983	5.23%	0.356%
42	9.980	1339	1342	1346	rBV2	98718	90306	4.46%	0.303%
43	10.022	1346	1349	1351	rVB2	28913	27673	1.37%	0.093%
44	10.051	1351	1354	1357	rBV	61303	65701	3.24%	0.221%
45	10.133	1366	1368	1370	rBV2	50804	55762	2.75%	0.187%
46	10.163	1370	1373	1376	rVB	255421	193255	9.54%	0.649%
47	10.192	1376	1378	1380	rBV2	32020	26699	1.32%	0.090%
48	10.286	1391	1394	1400	rVB	172096	163733	8.09%	0.550%
49	10.380	1406	1410	1416	rVB	86301	143146	7.07%	0.481%
50	10.433	1416	1419	1423	rBV4	35578	43557	2.15%	0.146%
51	10.498	1428	1430	1432	rBV2	31560	30064	1.48%	0.101%
52	10.527	1432	1435	1445	rVB	979479	982633	48.52%	3.299%
53	10.633	1450	1453	1462	rVB	238012	321621	15.88%	1.080%
54	10.833	1482	1487	1490	rBV4	54442	91527	4.52%	0.307%
55	10.863	1490	1492	1494	rVB	50826	40891	2.02%	0.137%
56	10.916	1499	1501	1504	rVB2	44020	33395	1.65%	0.112%
57	10.957	1504	1508	1510	rBV4	29919	41205	2.03%	0.138%
58	11.080	1526	1529	1531	rBV	158771	123045	6.08%	0.413%
59	11.116	1531	1535	1540	rVB2	90112	151082	7.46%	0.507%
60	11.221	1550	1553	1556	rBV	1004889	1024767	50.60%	3.441%
61	11.245	1556	1557	1564	rVV	715299	610797	30.16%	2.051%
62	11.298	1564	1566	1570	rVV	144278	136014	6.72%	0.457%
63	11.463	1591	1594	1598	rBV2	47651	56604	2.80%	0.190%
64	11.510	1599	1602	1605	rVV2	107075	97507	4.81%	0.327%
65	11.557	1607	1610	1615	rVB	54541	54915	2.71%	0.184%
66	11.610	1616	1619	1622	rVV	422502	323226	15.96%	1.085%
67	11.639	1622	1624	1626	rVB	31733	26172	1.29%	0.088%
68	11.721	1635	1638	1641	rBV	140338	152991	7.55%	0.514%
69	11.751	1641	1643	1647	rVV	194644	184952	9.13%	0.621%
70	11.804	1649	1652	1654	rVV	58709	57205	2.82%	0.192%
71	11.833	1654	1657	1660	rVV2	213053	244970	12.10%	0.822%

LSC Area Percent Report

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Acq On : 31 Jan 2018 20:57
Operator : SJ/JU
Sample : J1016-07 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-013018

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

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	11.857	1660	1661	1665	rVB	108622	78815	3.89%	0.265%
73	11.916	1667	1671	1673	rBV	89265	88523	4.37%	0.297%
74	11.957	1676	1678	1680	rBV2	32393	28528	1.41%	0.096%
75	12.021	1686	1689	1693	rBV2	67025	81506	4.02%	0.274%
76	12.057	1693	1695	1699	rVB5	49377	59077	2.92%	0.198%
77	12.198	1716	1719	1721	rBV2	62700	51691	2.55%	0.174%
78	12.221	1721	1723	1727	rVB3	44814	43854	2.17%	0.147%
79	12.274	1728	1732	1733	rBV	148469	146342	7.23%	0.491%
80	12.292	1733	1735	1737	rVV2	712466	648551	32.03%	2.177%
81	12.316	1737	1739	1744	rVB	807892	710541	35.09%	2.386%
82	12.368	1744	1748	1750	rBV3	57645	74153	3.66%	0.249%
83	12.398	1750	1753	1756	rVB2	168586	138729	6.85%	0.466%
84	12.439	1756	1760	1763	rBV	697538	631567	31.19%	2.120%
85	12.533	1774	1776	1779	rVB	52331	36049	1.78%	0.121%
86	12.586	1782	1785	1788	rBV2	65588	66957	3.31%	0.225%
87	12.668	1793	1799	1805	rVV	684179	831818	41.08%	2.793%
88	12.721	1805	1808	1811	rVB2	64352	70914	3.50%	0.238%
89	12.804	1818	1822	1826	rBV	1374714	1222715	60.38%	4.105%
90	12.880	1832	1835	1841	rBV4	68716	127814	6.31%	0.429%
91	13.027	1858	1860	1863	rBV2	56307	61026	3.01%	0.205%
92	13.057	1863	1865	1868	rVB	76248	75876	3.75%	0.255%
93	13.098	1869	1872	1875	rBV2	96961	105971	5.23%	0.356%
94	13.192	1885	1888	1890	rBV	73119	67135	3.32%	0.225%
95	13.221	1891	1893	1896	rBV	72989	72774	3.59%	0.244%
96	13.568	1949	1952	1955	rVB2	88899	102824	5.08%	0.345%
97	13.698	1971	1974	1976	rBV	121076	113234	5.59%	0.380%
98	13.862	1998	2002	2005	rBV2	951651	1124990	55.55%	3.777%
99	13.892	2005	2007	2010	rVB	259840	213355	10.54%	0.716%
100	15.292	2242	2245	2249	rVB	463864	527378	26.04%	1.771%

Sum of corrected areas: 29784872

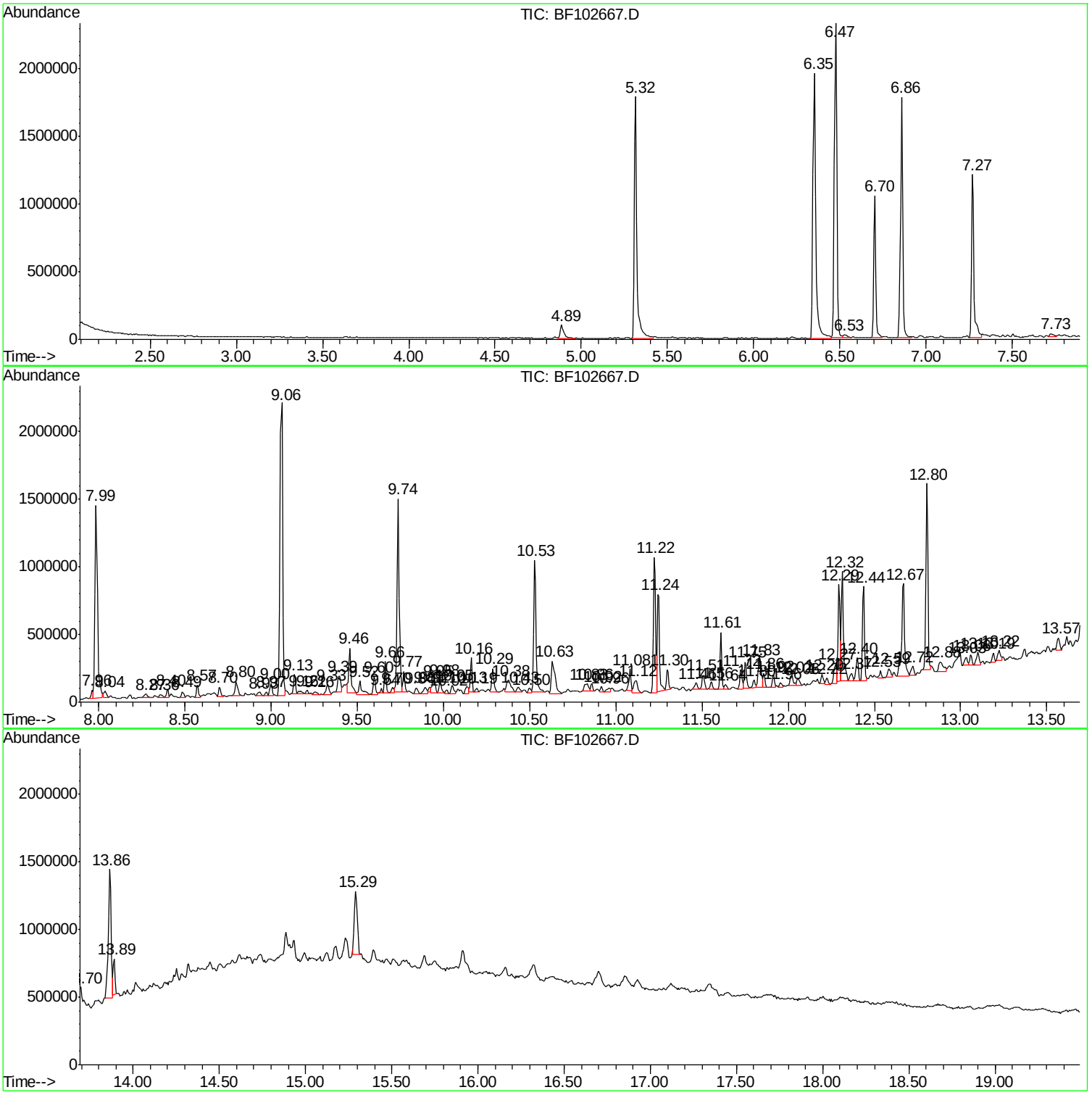
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF013118\
Data File : BF102667.D
Acq On : 31 Jan 2018 20:57
Operator : SJ/JU
Sample : J1016-07 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-013018

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF013118\
Data File : BF102667.D
Acq On : 31 Jan 2018 20:57
Operator : SJ/JU
Sample : J1016-07 2X
Misc :
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Instrument : BNA_F
ClientSampleId : OK-03-013018

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

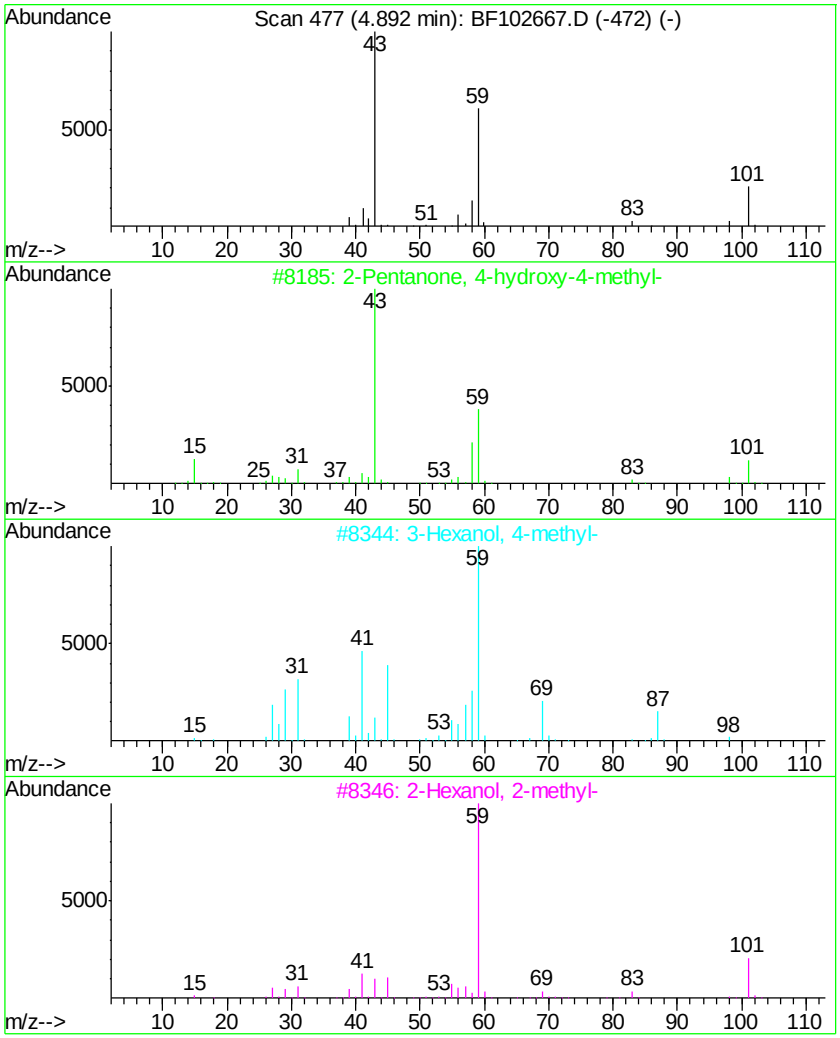
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

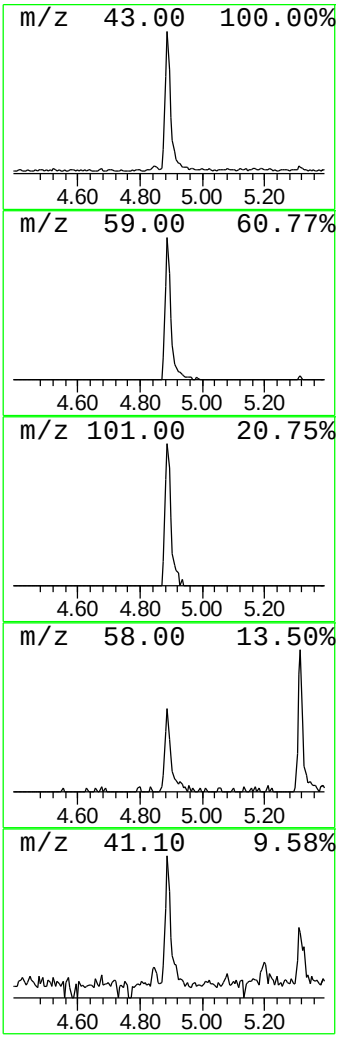
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.89	2.75 ng	124407	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
4	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	23
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF013118\
Data File : BF102667.D
Acq On : 31 Jan 2018 20:57
Operator : SJ/JU
Sample : J1016-07 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-013018

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

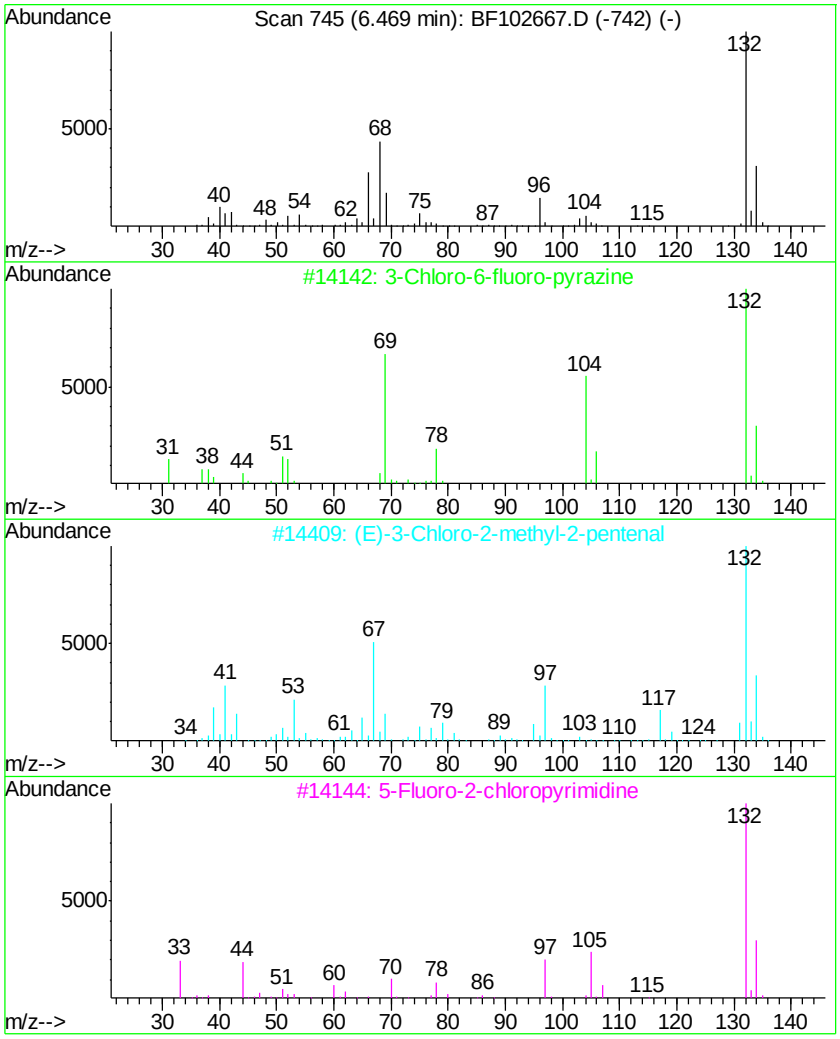
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

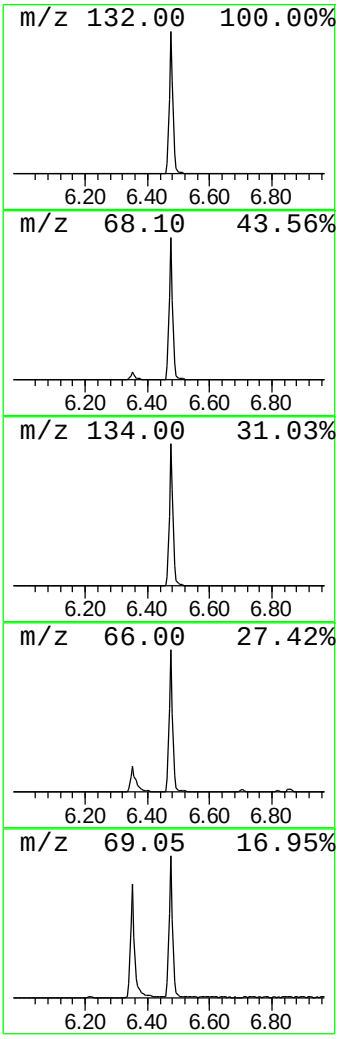
****

Peak Number 2 unknown6.47 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	44.51 ng	2014950	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF013118\
Data File : BF102667.D
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Sample : J1016-07 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-013018

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

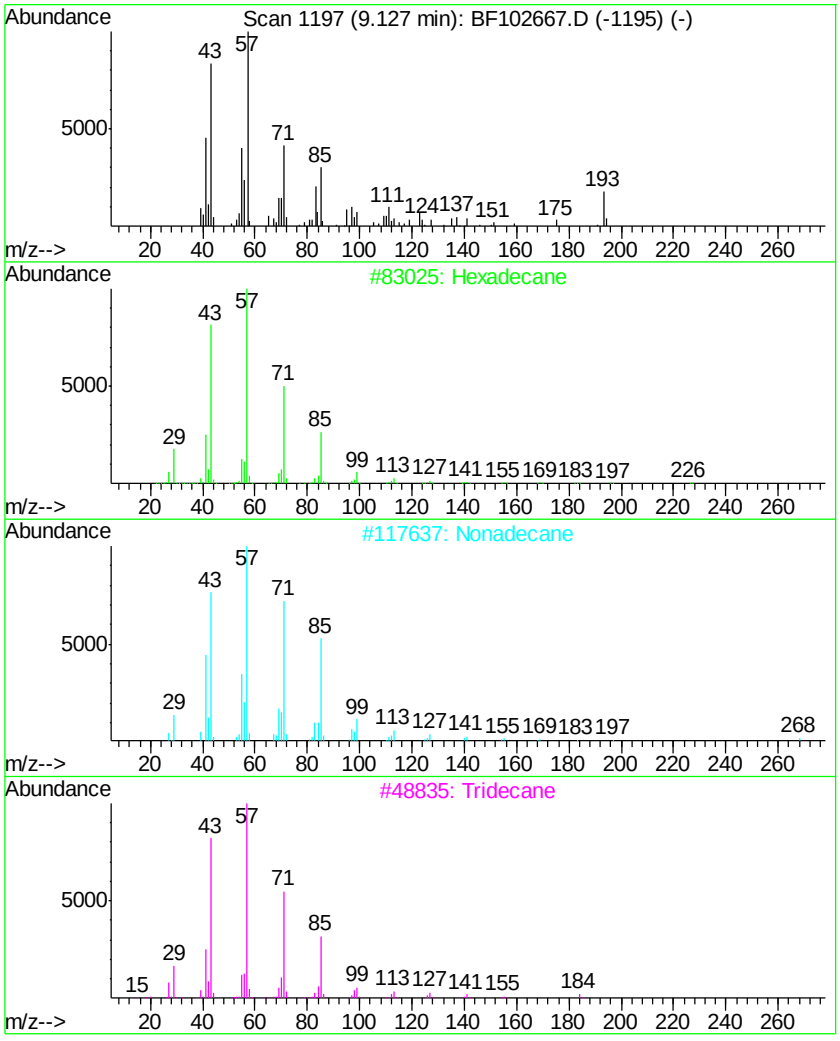
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

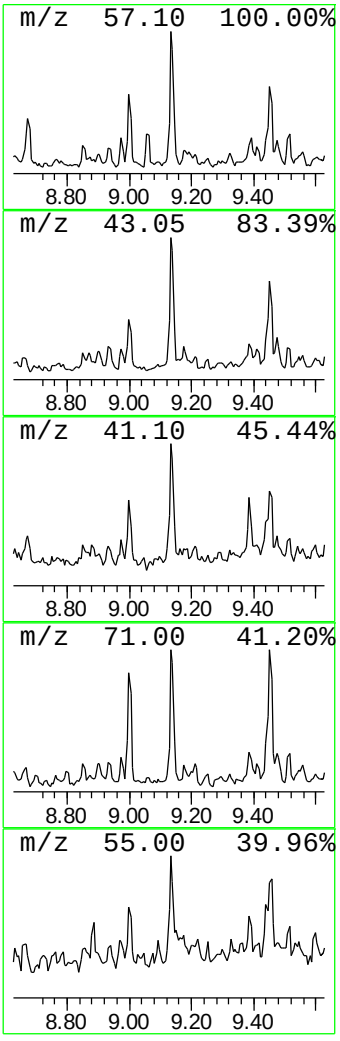
****

Peak Number 4 Hexadecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.13	2.15 ng	131007	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Nonadecane	268	C19H40	000629-92-5	86
3	Tridecane	184	C13H28	000629-50-5	86
4	Pentadecane	212	C15H32	000629-62-9	86
5	Tetradecane	198	C14H30	000629-59-4	78





Data Path : Z:\HPCHEM1\BNA F\DATA\BF013118\
Data File : BF102667.D
Acq On : 31 Jan 2018 20:57
Operator : SJ/JU
Sample : J1016-07 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-013018

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

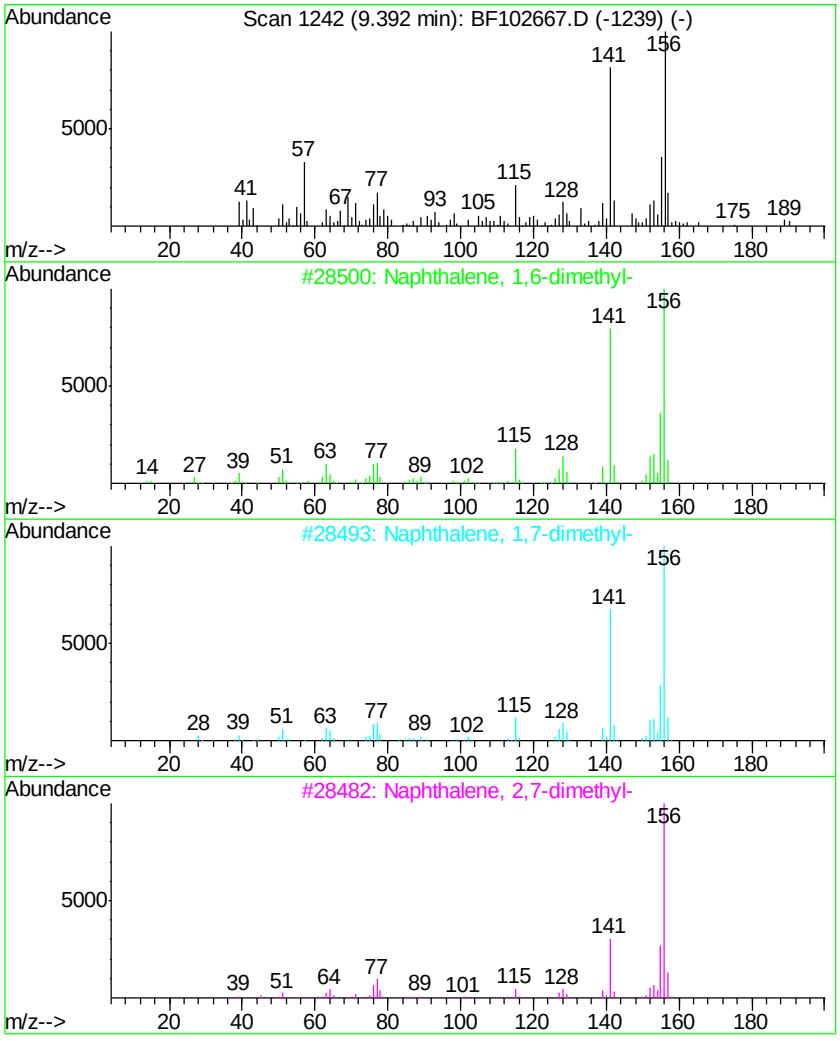
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

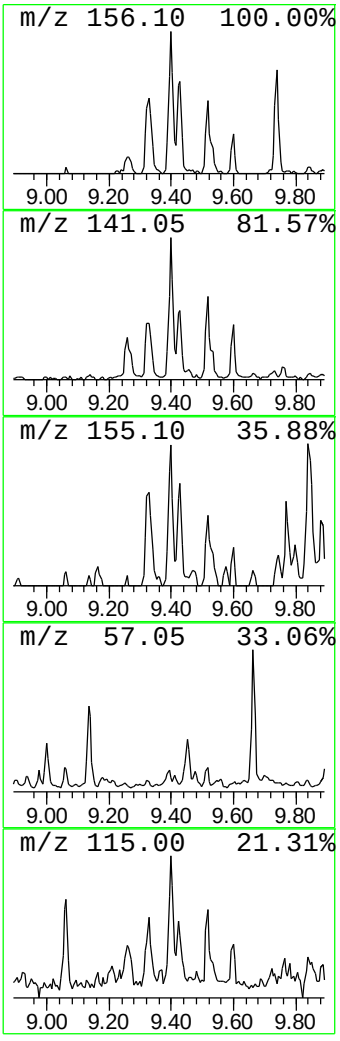
****

Peak Number 5 Naphthalene, 1,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.39	2.70 ng	164761	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95





Data Path : Z:\HPCHEM1\BNA F\DATA\BF013118\
Data File : BF102667.D
Acq On : 31 Jan 2018 20:57
Operator : SJ/JU
Sample : J1016-07 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-013018

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

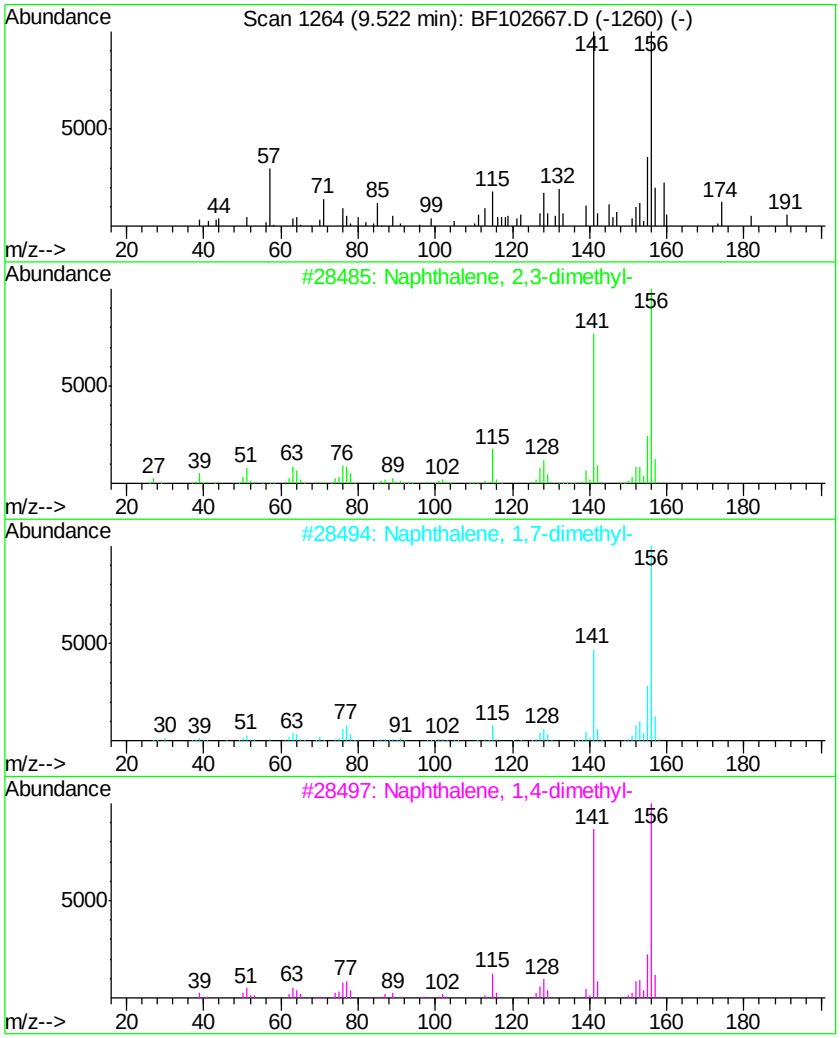
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

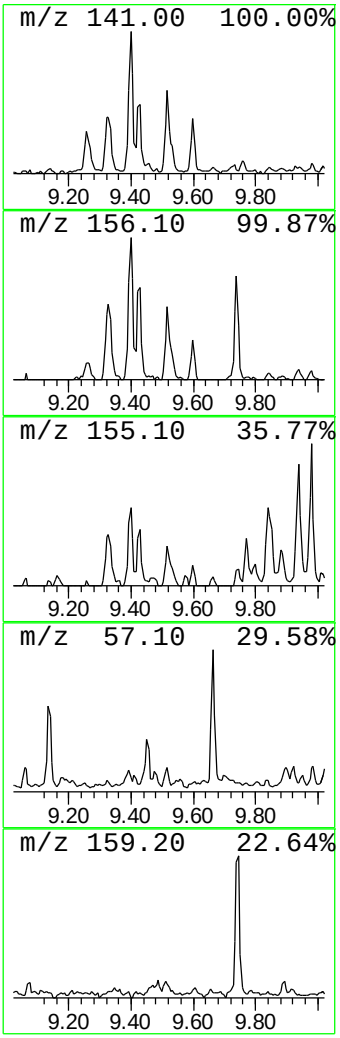
****

Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	2.28 ng	138772	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
4	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	95
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93





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Acq On : 31 Jan 2018 20:57
Operator : SJ/JU
Sample : J1016-07 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-013018

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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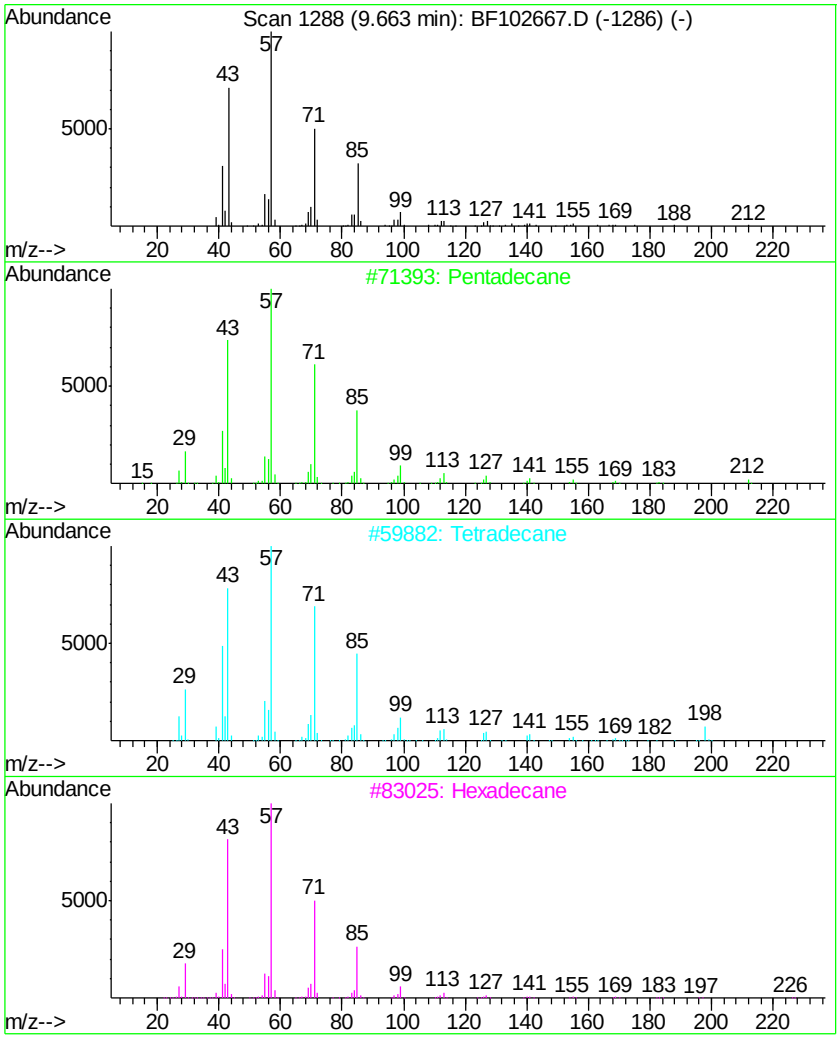
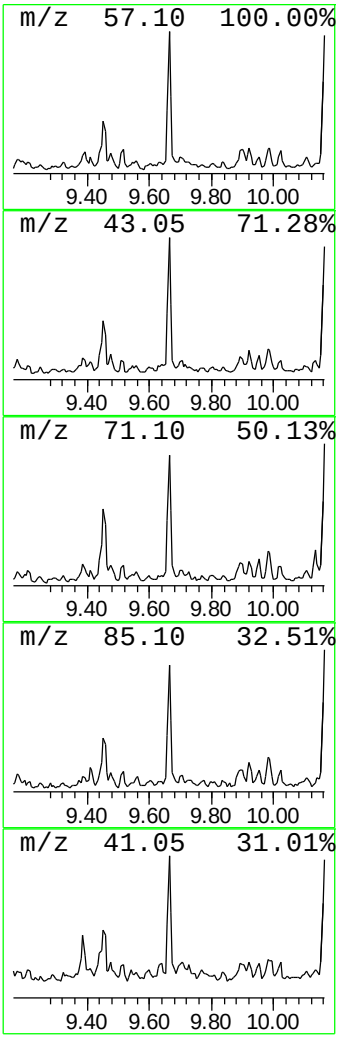
Peak Number 7 Pentadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.66	2.73 ng	166466	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	93
2	Tetradecane	198	C14H30	000629-59-4	90
3	Hexadecane	226	C16H34	000544-76-3	87
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80
5	Tridecane, 7-propyl-	226	C16H34	055045-09-5	80





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ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-013018

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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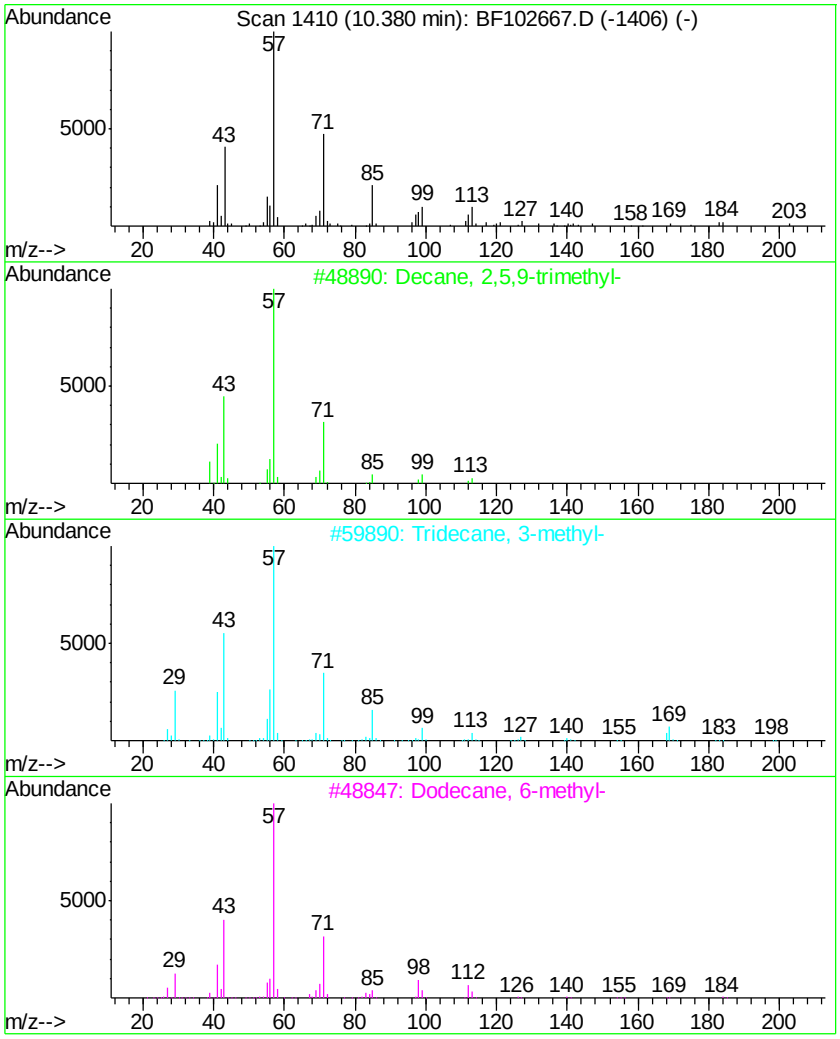
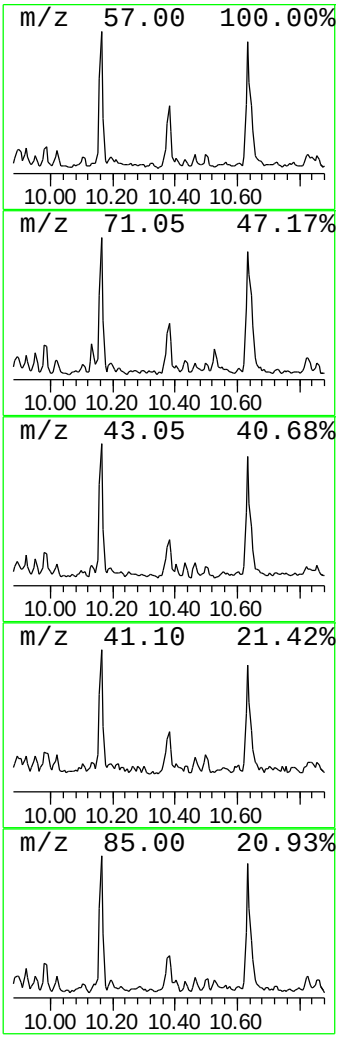
Peak Number 9 Decane, 2,5,9-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.38	2.35 ng	143146	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	64
2	Tridecane, 3-methyl-	198	C14H30	006418-41-3	64
3	Dodecane, 6-methyl-	184	C13H28	006044-71-9	58
4	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	58
5	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	52





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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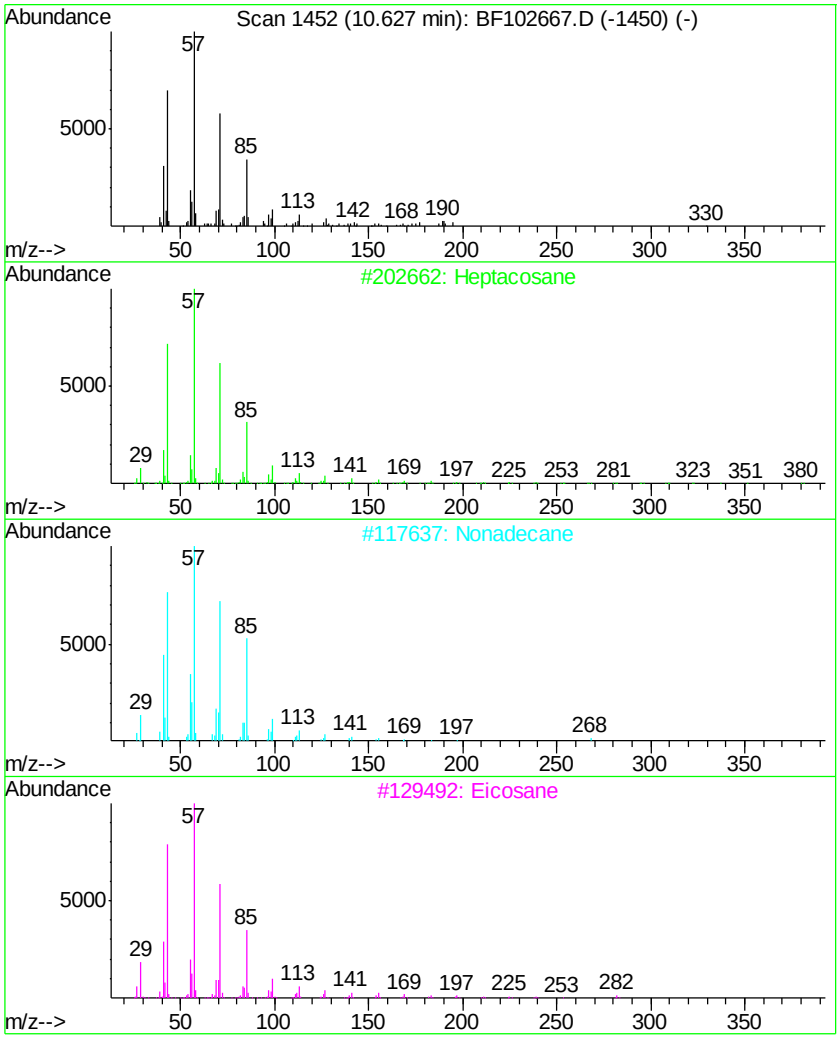
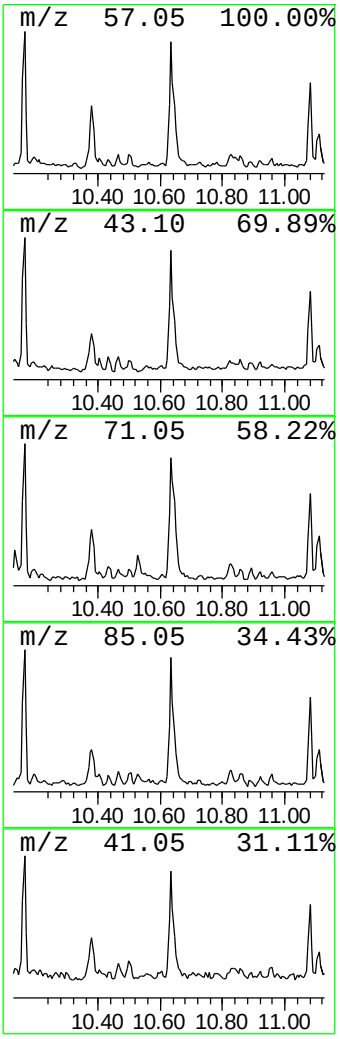
Peak Number 10 Heptacosane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.63	6.28 ng	321621	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	91
2	Nonadecane	268	C19H40	000629-92-5	90
3	Eicosane	282	C20H42	000112-95-8	90
4	Hexadecane	226	C16H34	000544-76-3	90
5	Heneicosane	296	C21H44	000629-94-7	86





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Operator : SJ/JU
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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-013018

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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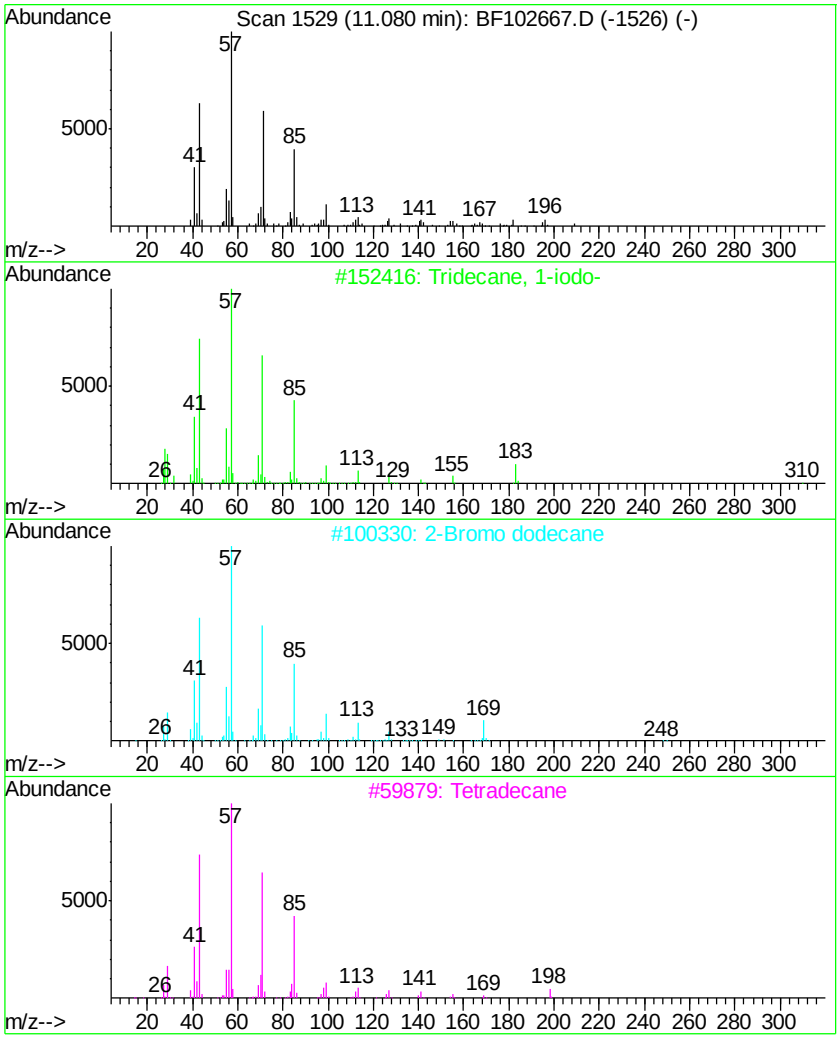
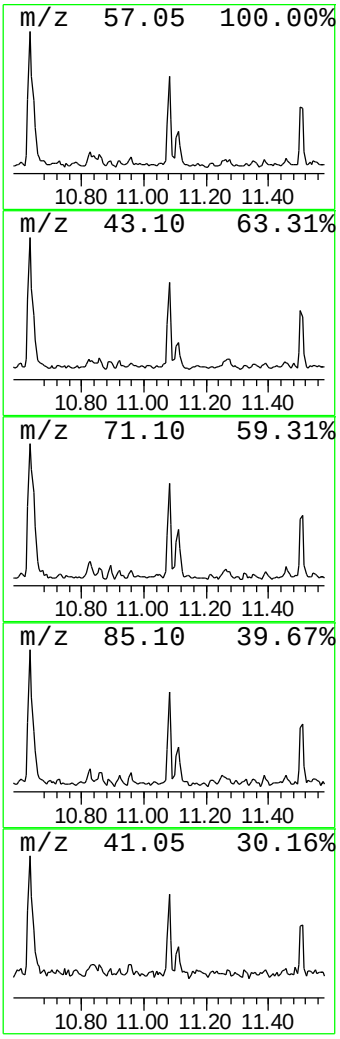
Peak Number 11 Tridecane, 1-iodo- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.08	2.40 ng	123045	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	86
2	2-Bromo dodecane	248	C12H25Br	013187-99-0	80
3	Tetradecane	198	C14H30	000629-59-4	80
4	Hexadecane	226	C16H34	000544-76-3	78
5	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	78





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-013018

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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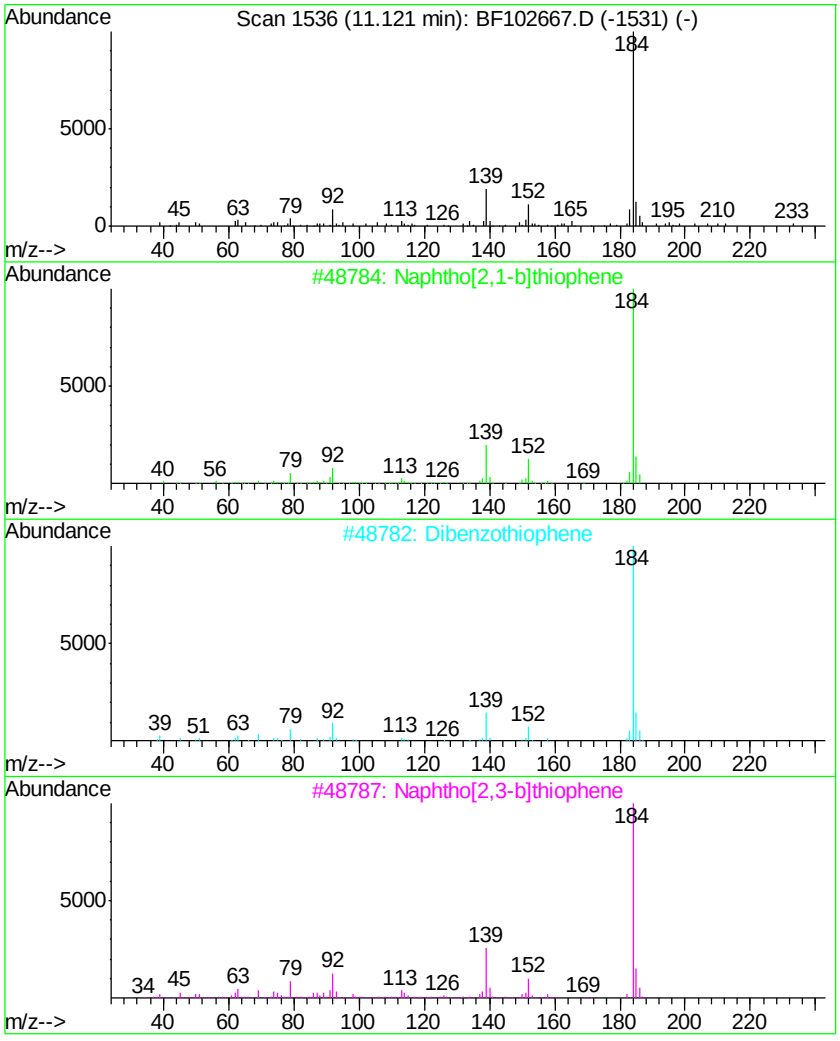
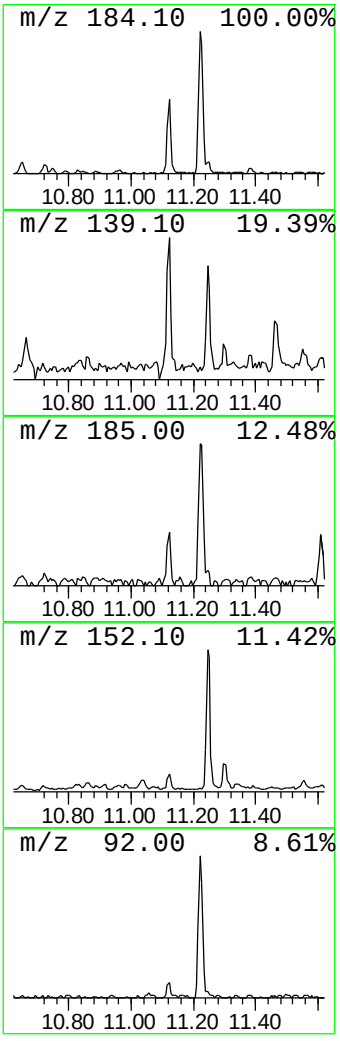
Peak Number 12 Naphtho[2,1-b]thiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	2.95 ng	151082	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	81
2	Dibenzothiophene	184	C12H8S	000132-65-0	76
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	68
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	68
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	64





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ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-013018

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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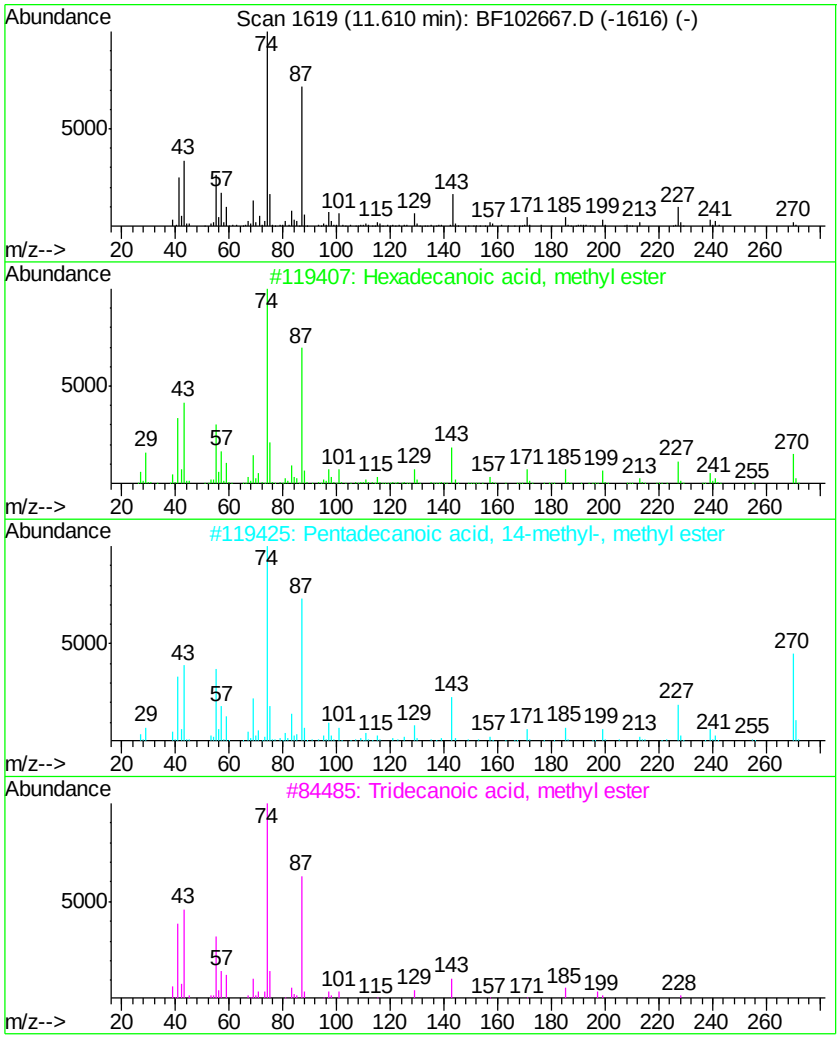
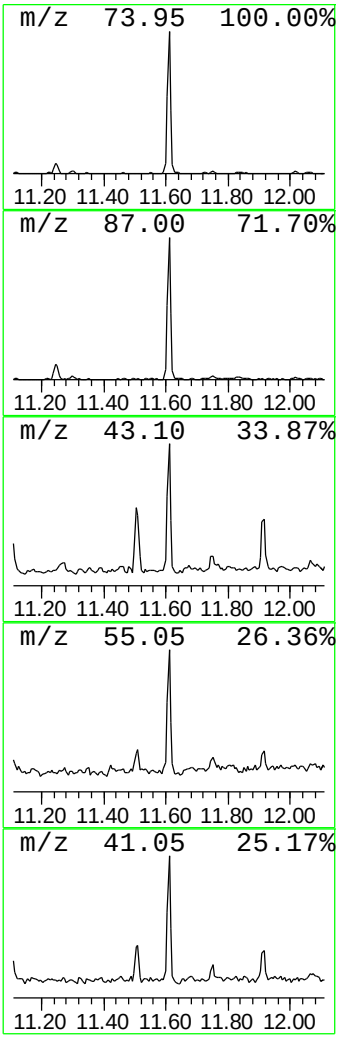
Peak Number 13 Hexadecanoic acid, methyl e... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.61	6.31 ng	323226	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	95
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	94
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	90
4	Decanoic acid, methyl ester	186	C11H22O2	000110-42-9	87
5	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86





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ClientSampleId : OK-03-013018

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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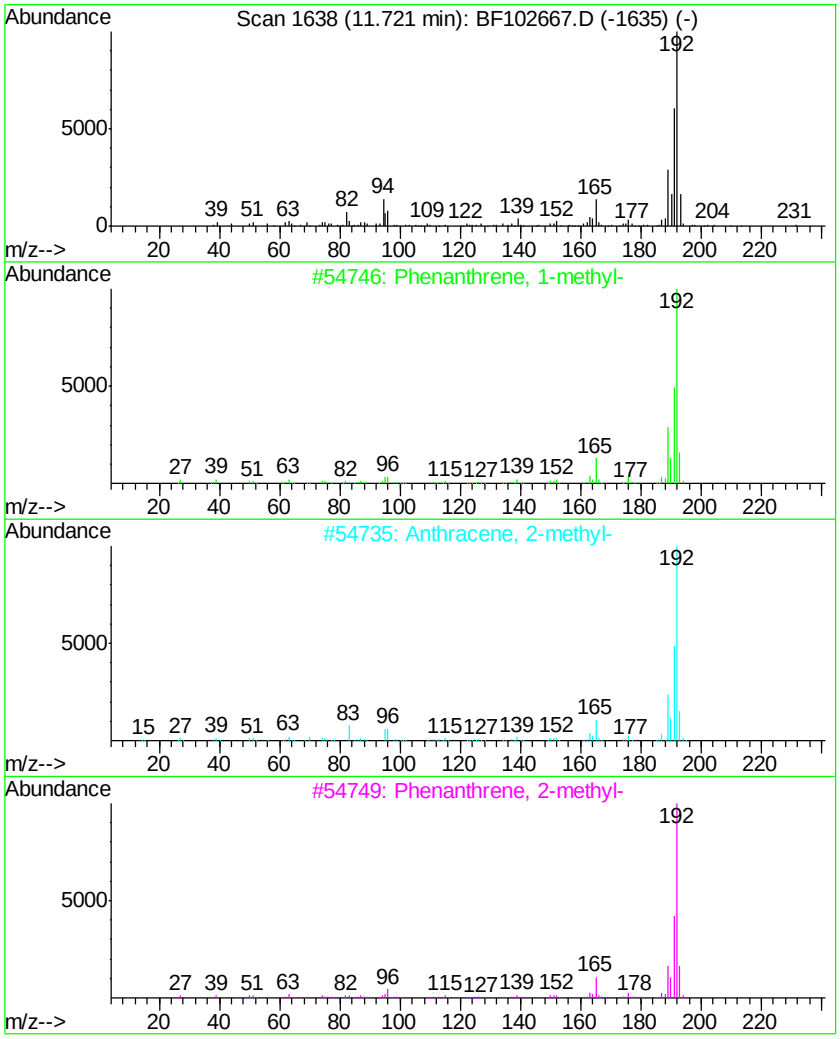
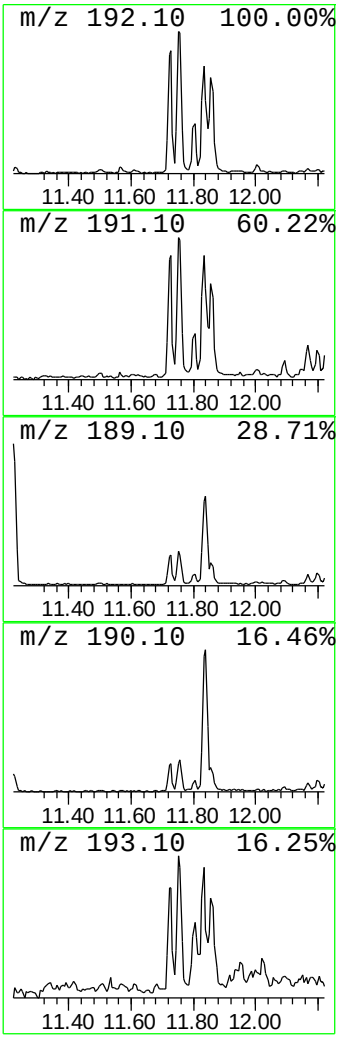
Peak Number 14 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	2.99 ng	152991	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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Misc :
ALS Vial : 10 Sample Multiplier: 1

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ClientSampleId : OK-03-013018

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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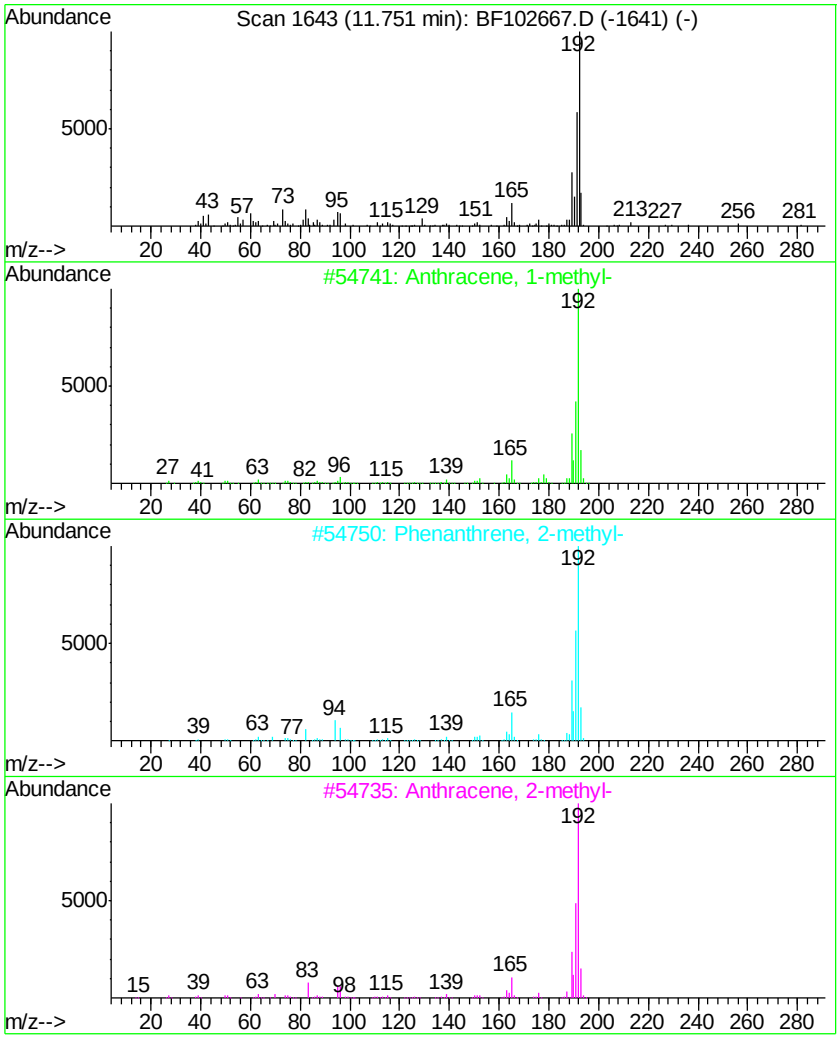
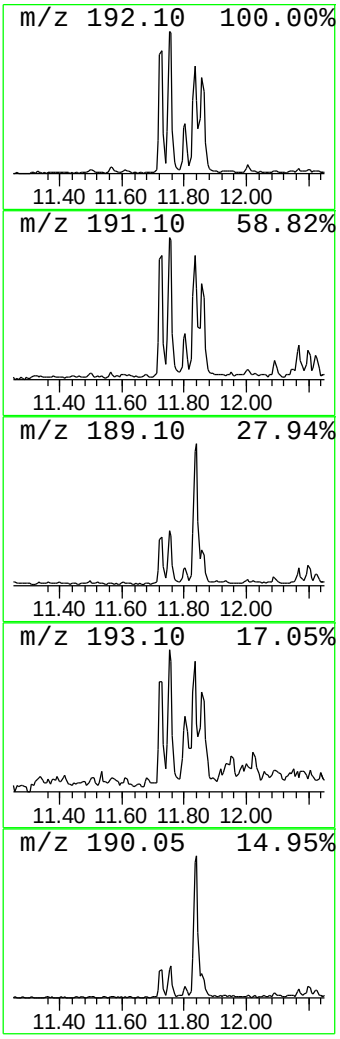
Peak Number 15 Anthracene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	3.61 ng	184952	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	89
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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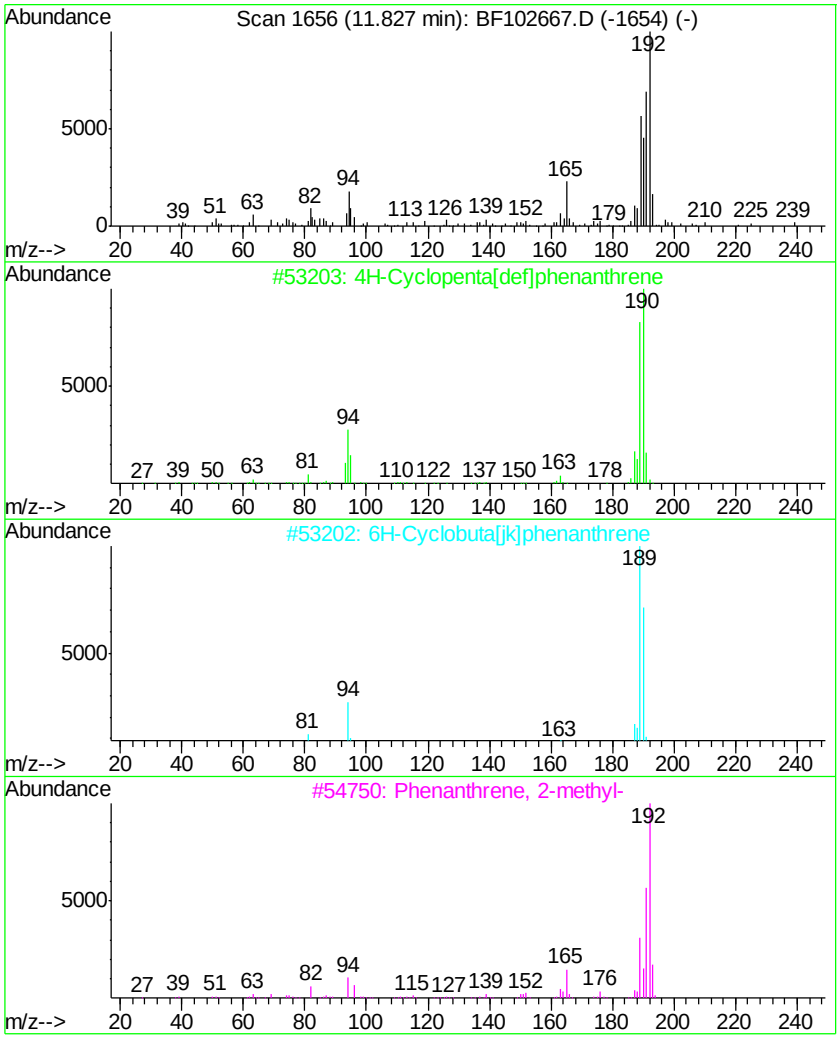
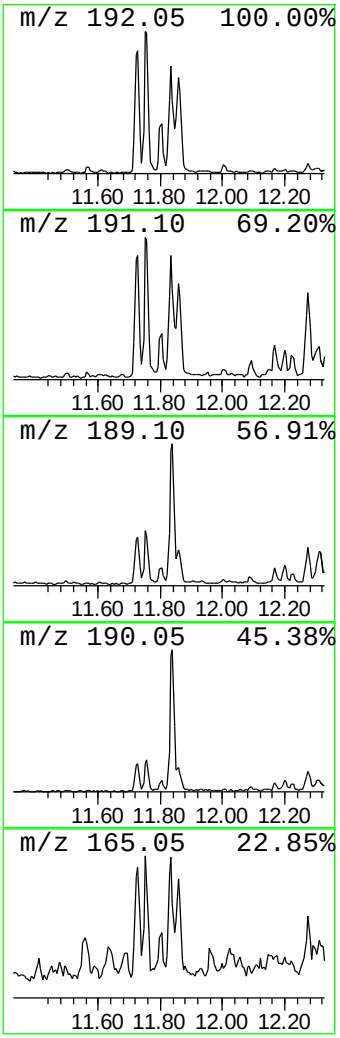
Peak Number 16 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	4.78 ng	244970	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	46
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	46
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-013018

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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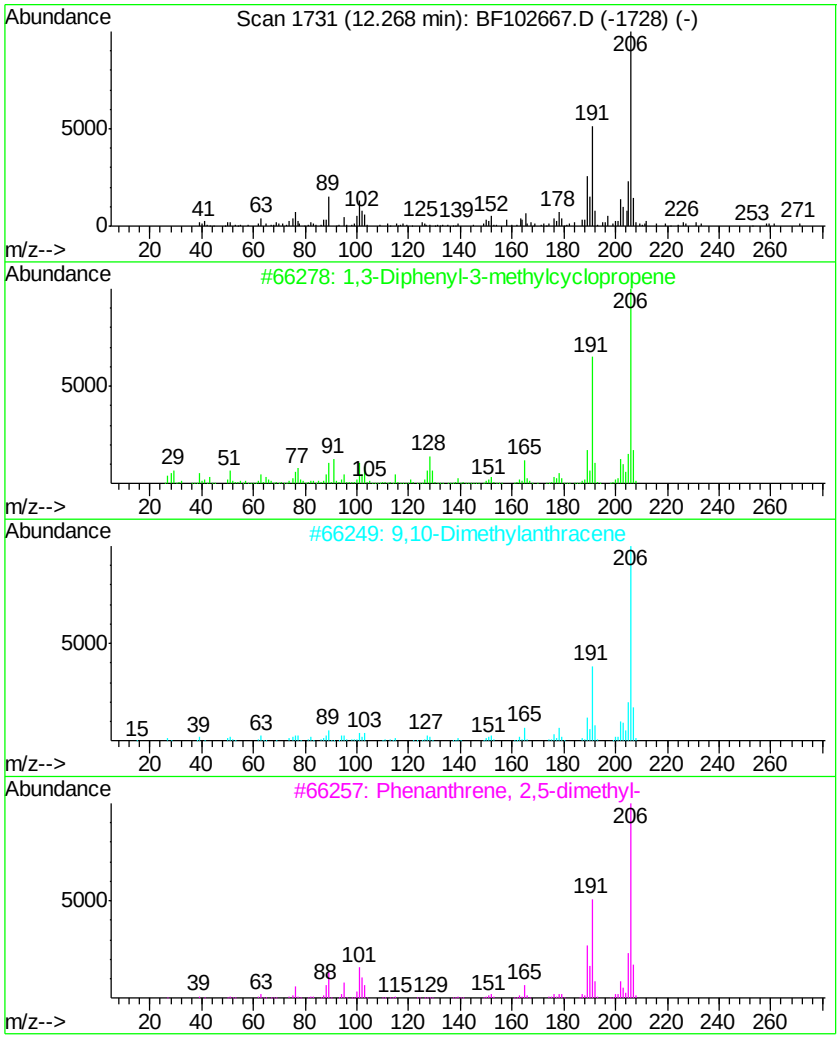
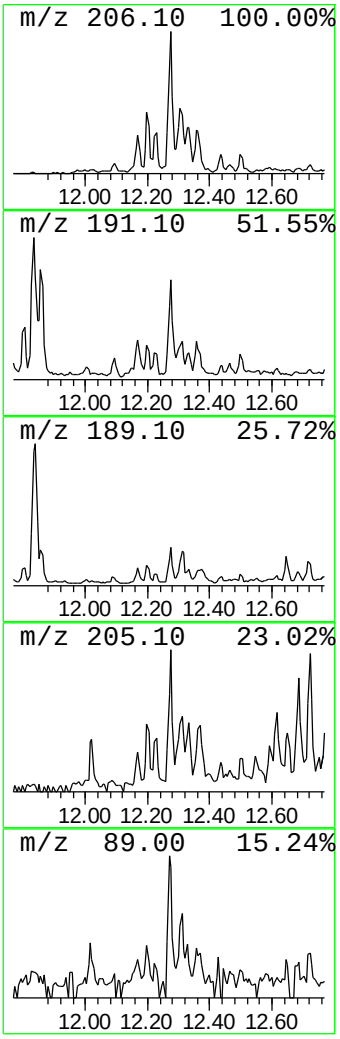
Peak Number 17 1,3-Diphenyl-3-methylcyclop... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	2.86 ng	146342	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
4	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	90
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90





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Misc :
ALS Vial : 10 Sample Multiplier: 1

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ClientSampleId : OK-03-013018

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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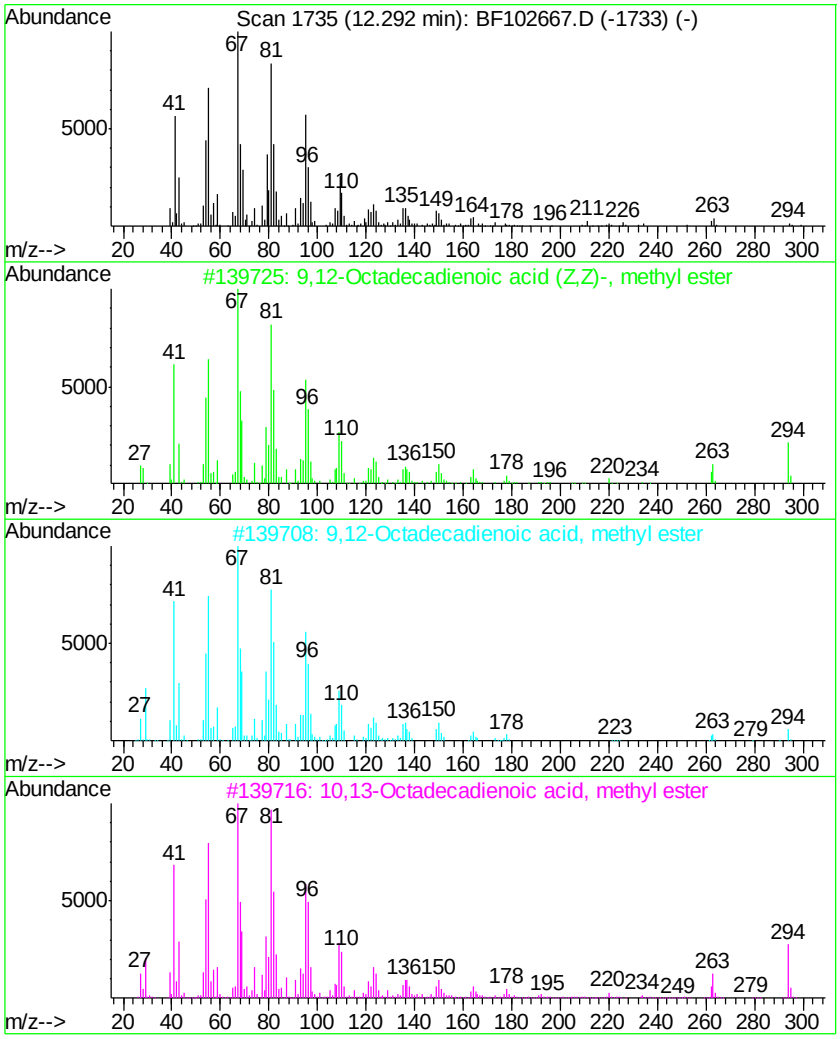
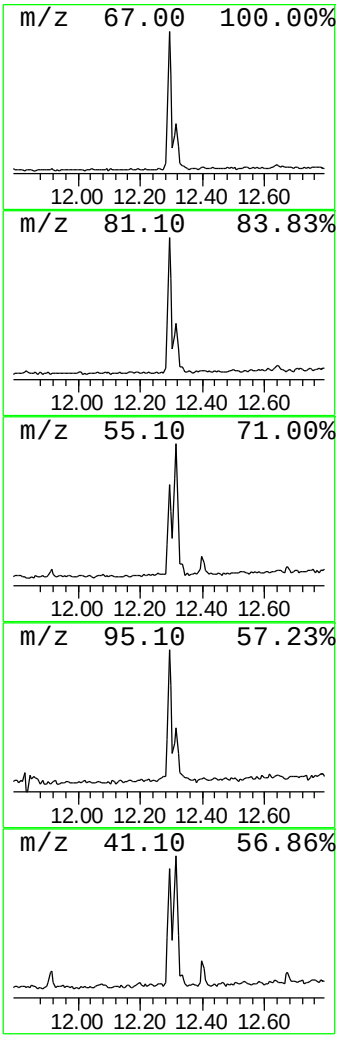
Peak Number 18 9,12-Octadecadienoic acid (... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	12.66 ng	648551	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
2	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
3	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	98
4	9,17-Octadecadienal, (Z)-	264	C18H32O	056554-35-9	95
5	11,14-Octadecadienoic acid, meth...	294	C19H34O2	056554-61-1	95





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-013018

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.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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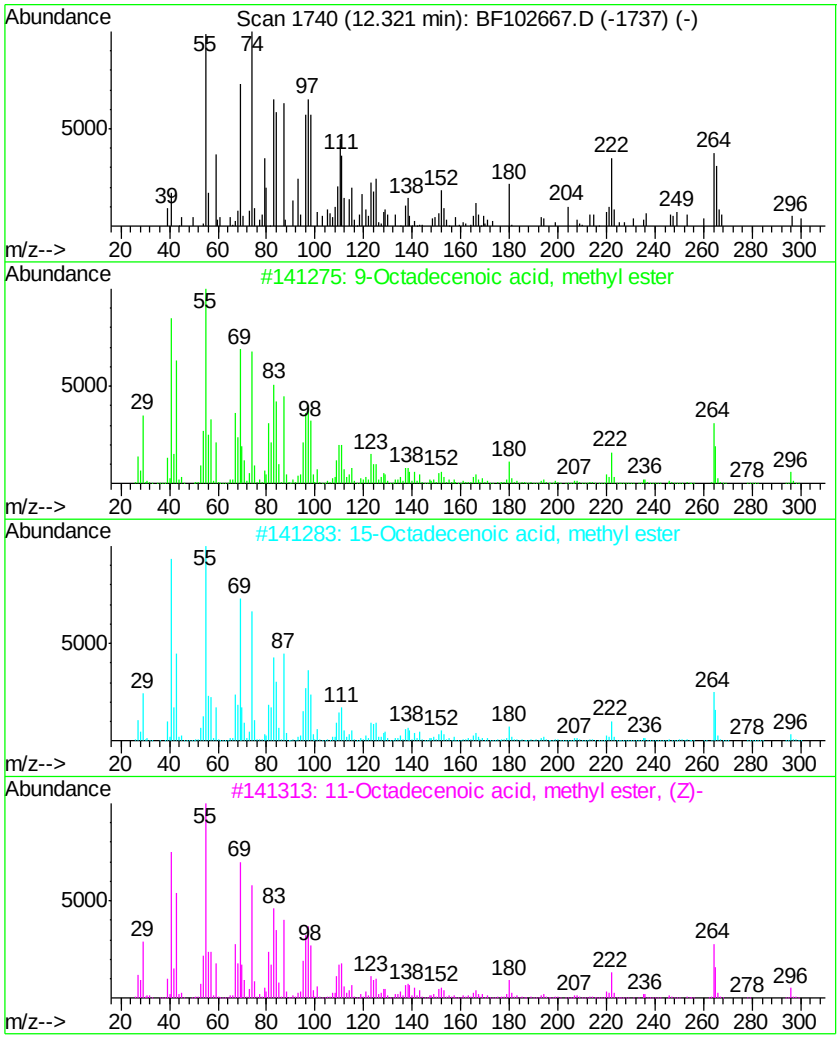
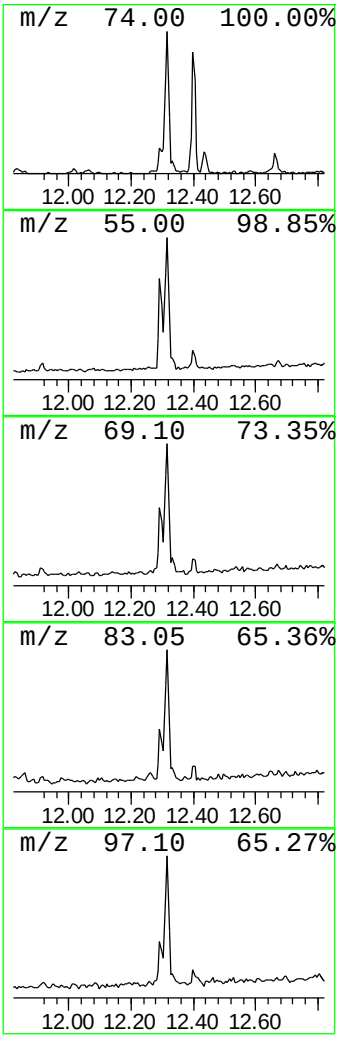
Peak Number 19 9-Octadecenoic acid, methyl... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	13.87 ng	710541	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	99
2	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	99
3	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99
4	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	99
5	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	98





Data Path : Z:\HPCHEM1\BNA F\DATA\BF013118\
Data File : BF102667.D
Acq On : 31 Jan 2018 20:57
Operator : SJ/JU
Sample : J1016-07 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-013018

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

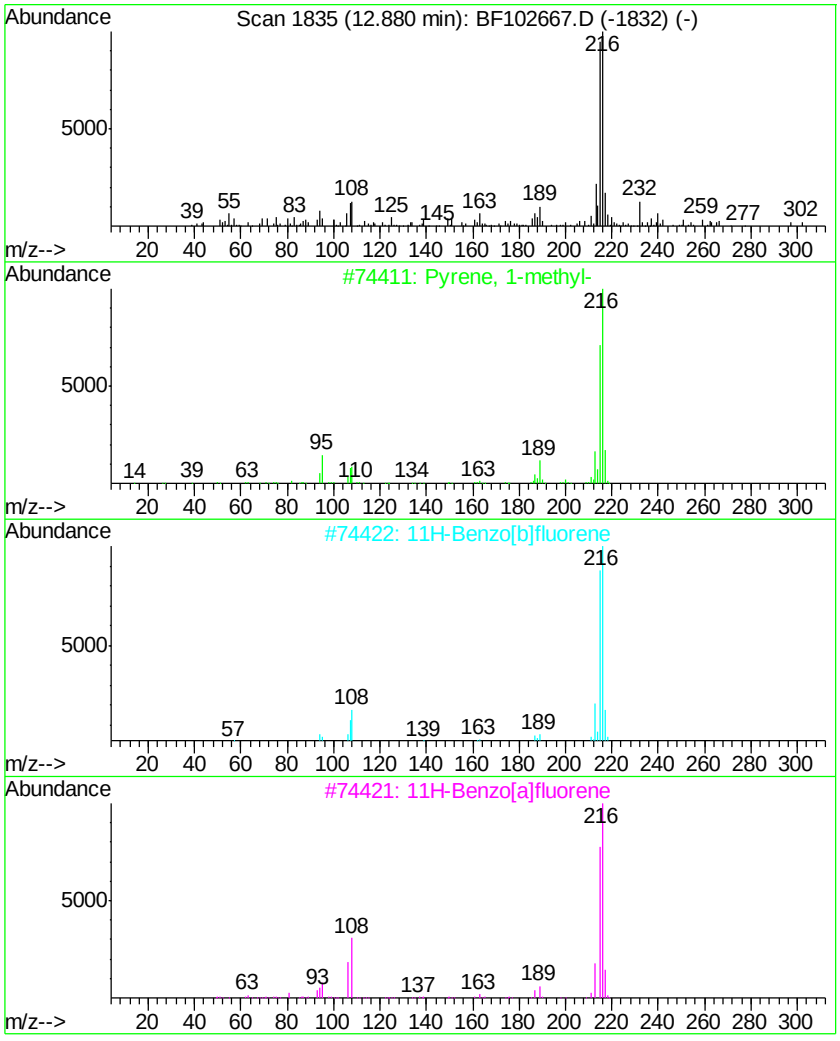
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

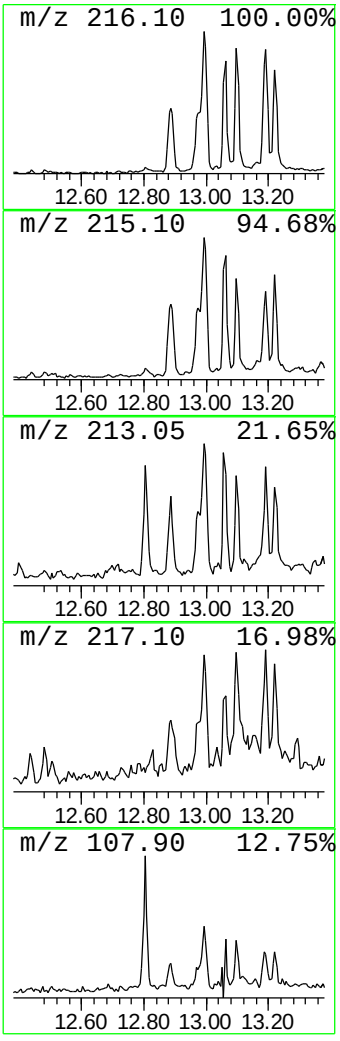
****

Peak Number 20 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.88	2.27 ng	127814	Chrysene-d12	13.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	76
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF013118\
Data File : BF102667.D
Acq On : 31 Jan 2018 20:57
Operator : SJ/JU
Sample : J1016-07 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-013018

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.89	2.8	ng	124407	1	6.70	905457	20.0
unknown6.47	6.47	44.5	ng	2014950	1	6.70	905457	20.0
Hexadecane	9.13	2.1	ng	131007	3	9.74	1218490	20.0
Naphthalene, 1,6-...	9.39	2.7	ng	164761	3	9.74	1218490	20.0
Naphthalene, 2,3-...	9.52	2.3	ng	138772	3	9.74	1218490	20.0
Pentadecane	9.66	2.7	ng	166466	3	9.74	1218490	20.0
Decane, 2,5,9-tri...	10.38	2.4	ng	143146	3	9.74	1218490	20.0
Heptacosane	10.63	6.3	ng	321621	4	11.22	1024770	20.0
Tridecane, 1-iodo-	11.08	2.4	ng	123045	4	11.22	1024770	20.0
Naphtho[2,1-b]thi...	11.12	3.0	ng	151082	4	11.22	1024770	20.0
Hexadecanoic acid...	11.61	6.3	ng	323226	4	11.22	1024770	20.0
Phenanthrene, 1-m...	11.72	3.0	ng	152991	4	11.22	1024770	20.0
Anthracene, 1-met...	11.75	3.6	ng	184952	4	11.22	1024770	20.0
4H-Cyclopenta[def...	11.83	4.8	ng	244970	4	11.22	1024770	20.0
1,3-Diphenyl-3-me...	12.27	2.9	ng	146342	4	11.22	1024770	20.0
9,12-Octadecadien...	12.29	12.7	ng	648551	4	11.22	1024770	20.0
9-Octadecenoic ac...	12.32	13.9	ng	710541	4	11.22	1024770	20.0
Pyrene, 1-methyl-	12.88	2.3	ng	127814	5	13.86	1124990	20.0