LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113131.D
Acq On : 19 Mar 2019 17:50
Operator : JU/SJ
Sample : K1951-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-03-006-A

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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	5.345	549	554	557	rBV	3648043	3714262	92.86%	6.969%
2	6.375	723	729	732	rBV	3522659	3980208	99.51%	7.468%
3	6.498	745	750	753	rBV	3952173	3986537	99.67%	7.480%
4	6.569	757	762	766	rBV3	69330	86044	2.15%	0.161%
5	6.722	784	788	791	rBV	1261280	1047015	26.18%	1.965%
6	6.881	810	815	818	rBV	3396511	3070463	76.77%	5.761%
7	7.287	874	884	887	rBV	2562389	2562307	64.06%	4.808%
8	7.334	889	892	895	rVB	86529	83397	2.09%	0.156%
9	7.504	915	921	923	rBV2	41118	55660	1.39%	0.104%
10	7.645	934	945	951	rBV9	27946	83016	2.08%	0.156%
11	7.745	957	962	964	rBV3	35491	59619	1.49%	0.112%
12	8.004	1001	1006	1008	rBV	1491324	1333693	33.34%	2.503%
13	8.022	1008	1009	1013	rVB	153999	120158	3.00%	0.225%
14	8.304	1052	1057	1060	rBV6	42850	59785	1.49%	0.112%
15	8.357	1064	1066	1069	rBV3	54936	56139	1.40%	0.105%
16	8.439	1077	1080	1084	rVV3	72982	92411	2.31%	0.173%
17	8.510	1088	1092	1096	rBV2	58586	60736	1.52%	0.114%
18	8.604	1105	1108	1111	rBV	195879	183746	4.59%	0.345%
19	8.716	1122	1127	1131	rVB	265100	257739	6.44%	0.484%
20	8.816	1140	1144	1148	rBV2	240518	261567	6.54%	0.491%
21	9.033	1179	1181	1184	rVB2	72071	67762	1.69%	0.127%
22	9.081	1184	1189	1192	rBV	4420387	3999807	100.00%	7.505%
23	9.169	1200	1204	1208	rBV2	249248	244934	6.12%	0.460%
24	9.275	1220	1222	1228	rVB	56854	80988	2.02%	0.152%
25	9.345	1228	1234	1238	rBV	166720	263832	6.60%	0.495%
26	9.416	1240	1246	1248	rBV	291253	324443	8.11%	0.609%
27	9.439	1248	1250	1253	rVB	173548	144268	3.61%	0.271%
28	9.469	1253	1255	1258	rBV	331871	319149	7.98%	0.599%
29	9.533	1263	1266	1270	rVB3	125644	185575	4.64%	0.348%
30	9.616	1277	1280	1285	rVB	112175	110597	2.77%	0.208%
31	9.669	1285	1289	1291	rBV5	40585	50598	1.27%	0.095%
32	9.698	1291	1294	1298	rVB	247944	196556	4.91%	0.369%
33	9.751	1298	1303	1306	rBV	1464799	1433454	35.84%	2.690%
34	9.786	1306	1309	1313	rVB	230560	212556	5.31%	0.399%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113131.D
Acq On : 19 Mar 2019 17:50
Operator : JU/SJ
Sample : K1951-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-03-006-A

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.863	1318	1322	1326	rVB2	75522	104864	2.62%	0.197%
36	9.957	1335	1338	1341	rVB	270417	229063	5.73%	0.430%
37	9.998	1342	1345	1347	rVV	108652	85719	2.14%	0.161%
38	10.022	1347	1349	1353	rVB4	69531	73345	1.83%	0.138%
39	10.075	1353	1358	1360	rBV3	104225	131244	3.28%	0.246%
40	10.098	1360	1362	1365	rVB	83475	69652	1.74%	0.131%
41	10.163	1369	1373	1374	rBV	78860	82210	2.06%	0.154%
42	10.192	1376	1378	1381	rVB	202716	181567	4.54%	0.341%
43	10.251	1386	1388	1393	rVB4	60624	59586	1.49%	0.112%
44	10.298	1393	1396	1399	rBV	432537	377701	9.44%	0.709%
45	10.363	1402	1407	1409	rBV2	70026	79285	1.98%	0.149%
46	10.416	1413	1416	1420	rVB2	109970	112668	2.82%	0.211%
47	10.457	1420	1423	1428	rVB2	105553	129473	3.24%	0.243%
48	10.539	1433	1437	1441	rBV	2485493	2380244	59.51%	4.466%
49	10.663	1456	1458	1465	rVB	257240	330293	8.26%	0.620%
50	10.845	1485	1489	1491	rBV	90295	111200	2.78%	0.209%
51	10.875	1491	1494	1496	rVV	95659	90465	2.26%	0.170%
52	10.927	1500	1503	1506	rVB3	72405	67126	1.68%	0.126%
53	11.110	1532	1534	1536	rBV	149387	146748	3.67%	0.275%
54	11.233	1551	1555	1557	rBV	1230375	1120956	28.03%	2.103%
55	11.257	1557	1559	1562	rVV	1703372	1268133	31.70%	2.380%
56	11.304	1562	1567	1571	rVB	365535	368534	9.21%	0.692%
57	11.345	1571	1574	1578	rBV2	46595	48582	1.21%	0.091%
58	11.463	1591	1594	1597	rBV	90088	82392	2.06%	0.155%
59	11.539	1603	1607	1609	rBV2	125896	125078	3.13%	0.235%
60	11.563	1609	1611	1614	rVB2	81123	65563	1.64%	0.123%
61	11.633	1620	1623	1630	rVB	637014	570673	14.27%	1.071%
62	11.733	1637	1640	1642	rBV	233307	199341	4.98%	0.374%
63	11.769	1642	1646	1650	rVV2	477207	613368	15.33%	1.151%
64	11.810	1650	1653	1655	rVV2	111835	120712	3.02%	0.227%
65	11.845	1655	1659	1661	rVV	360117	386591	9.67%	0.725%
66	11.863	1661	1662	1667	rVB	158123	143302	3.58%	0.269%
67	11.945	1673	1676	1678	rBV	110137	90988	2.27%	0.171%
68	12.027	1687	1690	1692	rBV	118310	95259	2.38%	0.179%
69	12.157	1710	1712	1714	rBV2	46733	53648	1.34%	0.101%
70	12.210	1718	1721	1722	rVV2	63857	60233	1.51%	0.113%
71	12.227	1722	1724	1727	rVB3	65657	65202	1.63%	0.122%

LSC Area Percent Report

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Data File : BF113131.D
Acq On : 19 Mar 2019 17:50
Operator : JU/SJ
Sample : K1951-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-03-006-A

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.280	1730	1733	1736	rBV	162033	176884	4.42%	0.332%
73	12.316	1736	1739	1741	rVV	1640581	1590289	39.76%	2.984%
74	12.339	1741	1743	1746	rVV	2322913	1968517	49.22%	3.694%
75	12.363	1746	1747	1753	rVB3	195685	136030	3.40%	0.255%
76	12.439	1755	1760	1764	rVV	1157719	1288688	32.22%	2.418%
77	12.474	1764	1766	1774	rVB4	132860	235263	5.88%	0.441%
78	12.551	1776	1779	1784	rBV4	127095	124201	3.11%	0.233%
79	12.669	1793	1799	1802	rBV	1041179	1130849	28.27%	2.122%
80	12.698	1802	1804	1806	rVB2	75768	71038	1.78%	0.133%
81	12.786	1816	1819	1820	rBV	83896	71321	1.78%	0.134%
82	12.816	1820	1824	1827	rVV	2654334	2316079	57.90%	4.346%
83	12.886	1834	1836	1840	rBV	56952	58064	1.45%	0.109%
84	12.998	1849	1855	1858	rVB	254590	309093	7.73%	0.580%
85	13.063	1862	1866	1869	rVB2	244639	260172	6.50%	0.488%
86	13.098	1869	1872	1876	rBV	144651	148509	3.71%	0.279%
87	13.192	1885	1888	1890	rVB	89274	79549	1.99%	0.149%
88	13.221	1890	1893	1897	rBV	101267	92454	2.31%	0.173%
89	13.398	1920	1923	1925	rBV	123083	109683	2.74%	0.206%
90	13.639	1962	1964	1966	rVB	68894	48470	1.21%	0.091%
91	13.721	1975	1978	1985	rVB3	254684	349576	8.74%	0.656%
92	13.863	1997	2002	2004	rBV2	996436	1281331	32.03%	2.404%
93	13.886	2004	2006	2009	rVB	434343	345982	8.65%	0.649%
94	14.039	2030	2032	2037	rVB2	133081	129525	3.24%	0.243%
95	14.345	2081	2084	2086	rBV2	167898	157243	3.93%	0.295%
96	14.639	2132	2134	2136	rBV	118427	91129	2.28%	0.171%
97	14.874	2171	2174	2177	rBV	315699	428292	10.71%	0.804%
98	15.157	2219	2222	2228	rVB	197550	250211	6.26%	0.469%
99	15.215	2228	2232	2238	rBV	264701	354659	8.87%	0.665%
100	15.274	2238	2242	2245	rBV	489041	580441	14.51%	1.089%

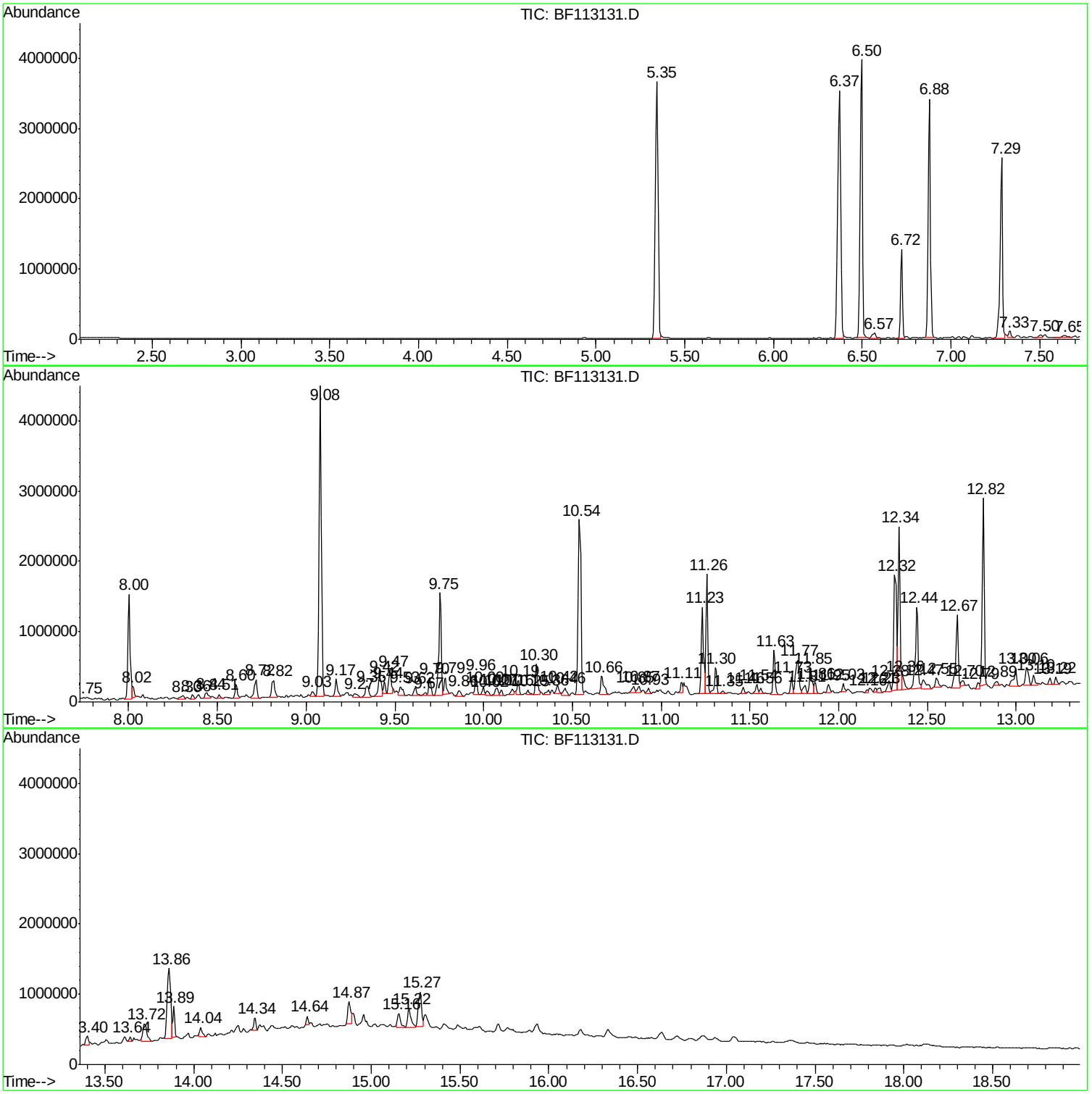
Sum of corrected areas: 53293571

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113131.D
Acq On : 19 Mar 2019 17:50
Operator : JU/SJ
Sample : K1951-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FK-GF-03-006-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113131.D
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Sample : K1951-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-03-006-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

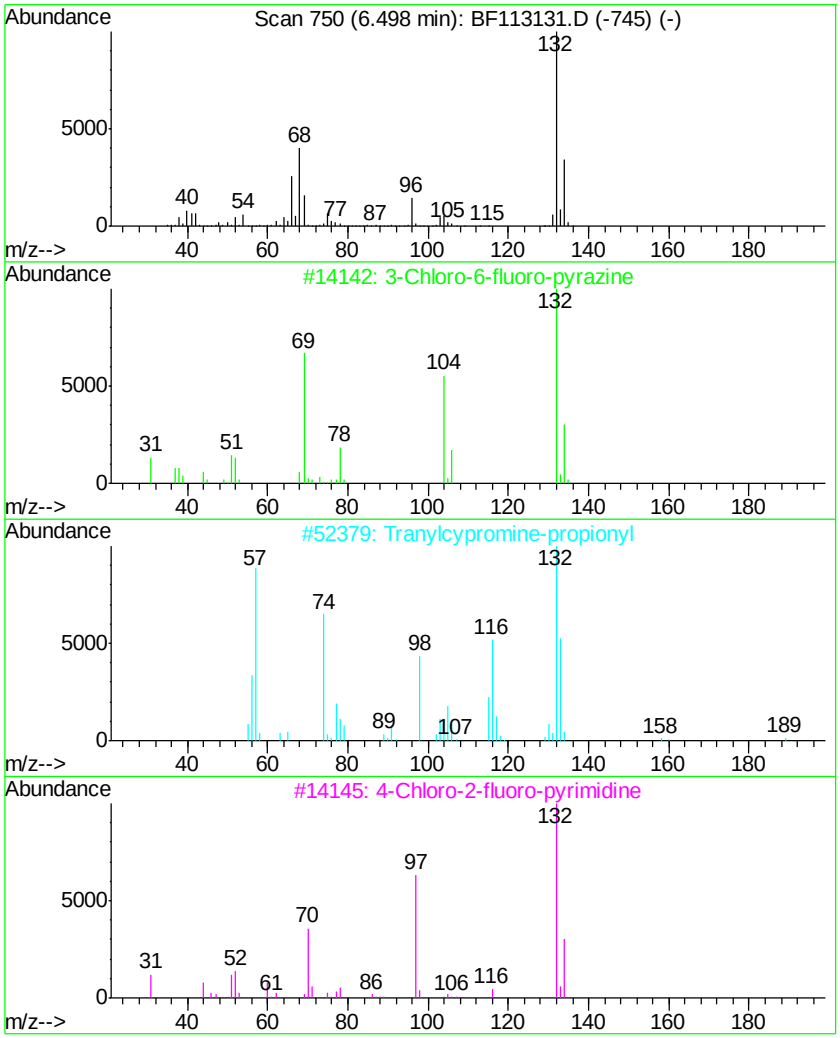
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

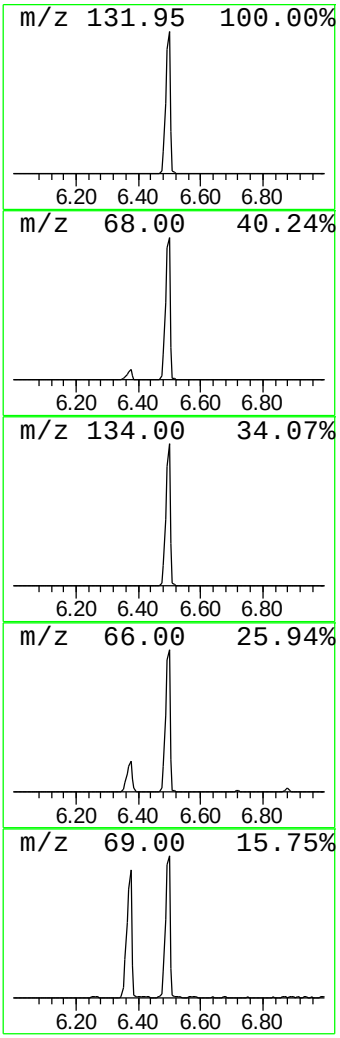
****

Peak Number 1 unknown6.50 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	76.15 ng	3986540	1,4-Dichlorobenzene-d4	6.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113131.D
Acq On : 19 Mar 2019 17:50
Operator : JU/SJ
Sample : K1951-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-03-006-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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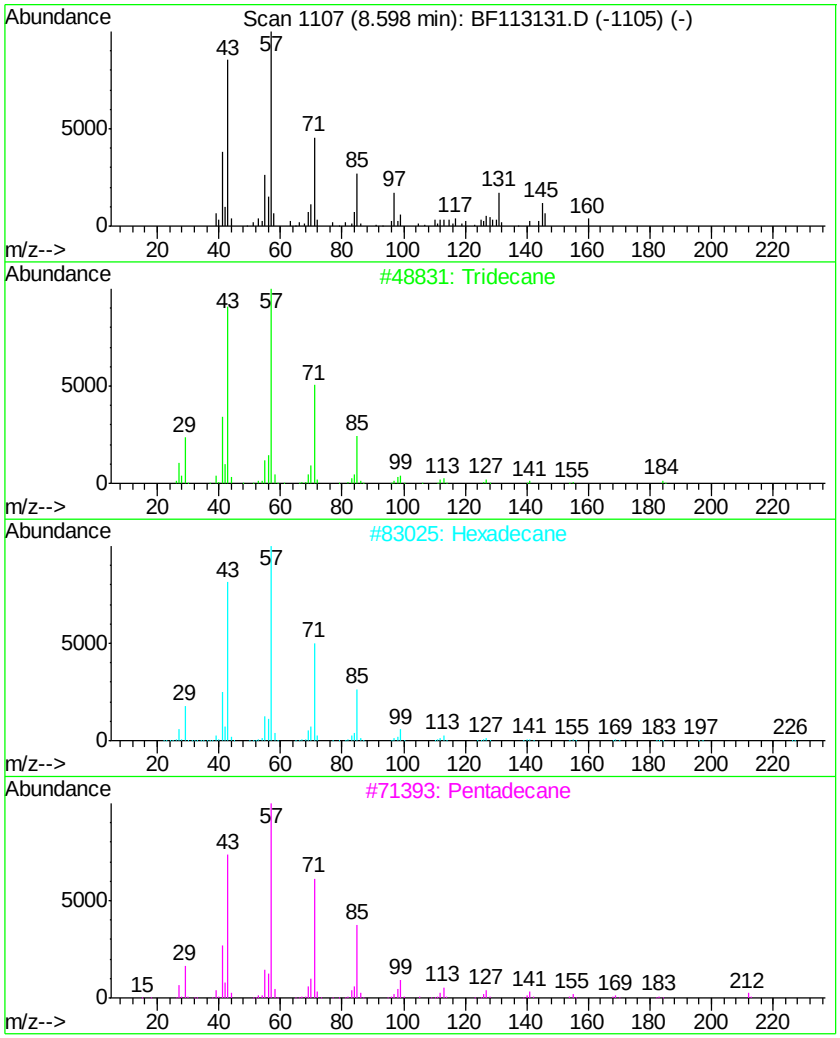
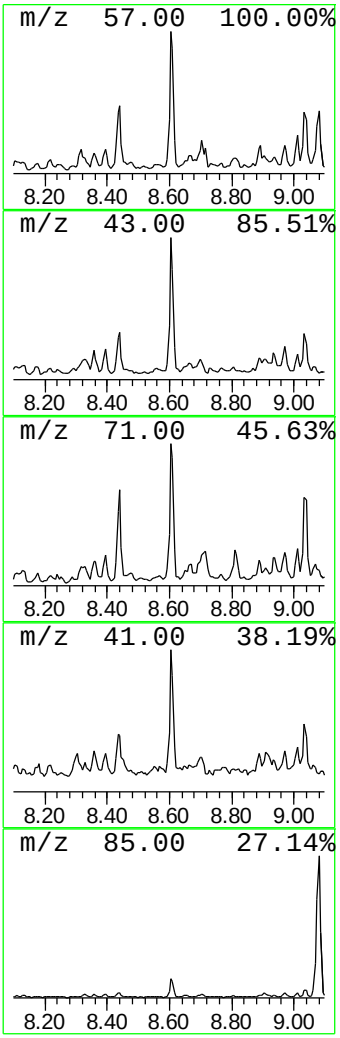
Peak Number 3 Tridecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	2.76 ng	183746	Naphthalene-d8	8.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	95
2	Hexadecane	226	C16H34	000544-76-3	74
3	Pentadecane	212	C15H32	000629-62-9	72
4	Undecane, 2,3-dimethyl-	184	C13H28	017312-77-5	72
5	Undecane	156	C11H24	001120-21-4	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113131.D
Acq On : 19 Mar 2019 17:50
Operator : JU/SJ
Sample : K1951-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-03-006-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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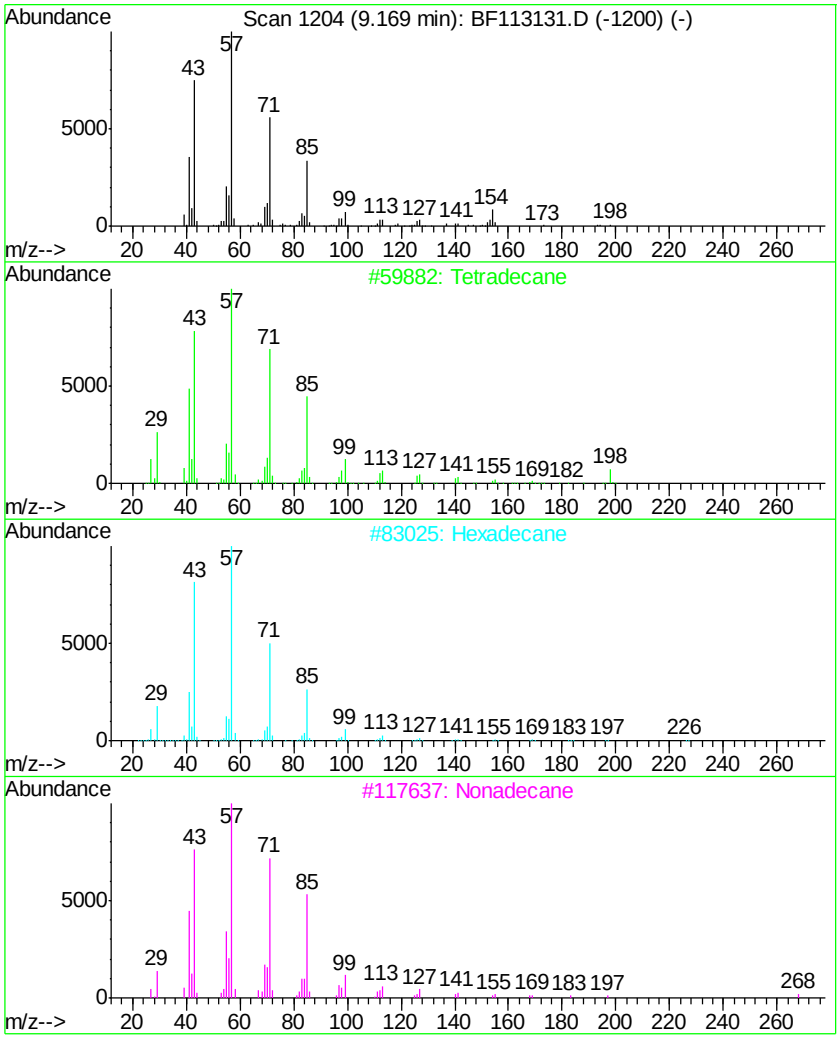
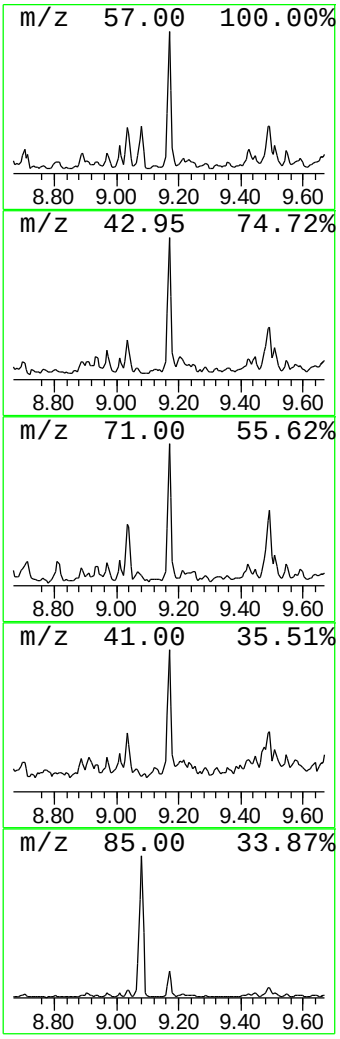
Peak Number 4 Tetradecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.17	3.42 ng	244934	Acenaphthene-d10	9.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	96
2	Hexadecane	226	C16H34	000544-76-3	86
3	Nonadecane	268	C19H40	000629-92-5	83
4	Tridecane	184	C13H28	000629-50-5	80
5	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	80





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113131.D
Acq On : 19 Mar 2019 17:50
Operator : JU/SJ
Sample : K1951-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-03-006-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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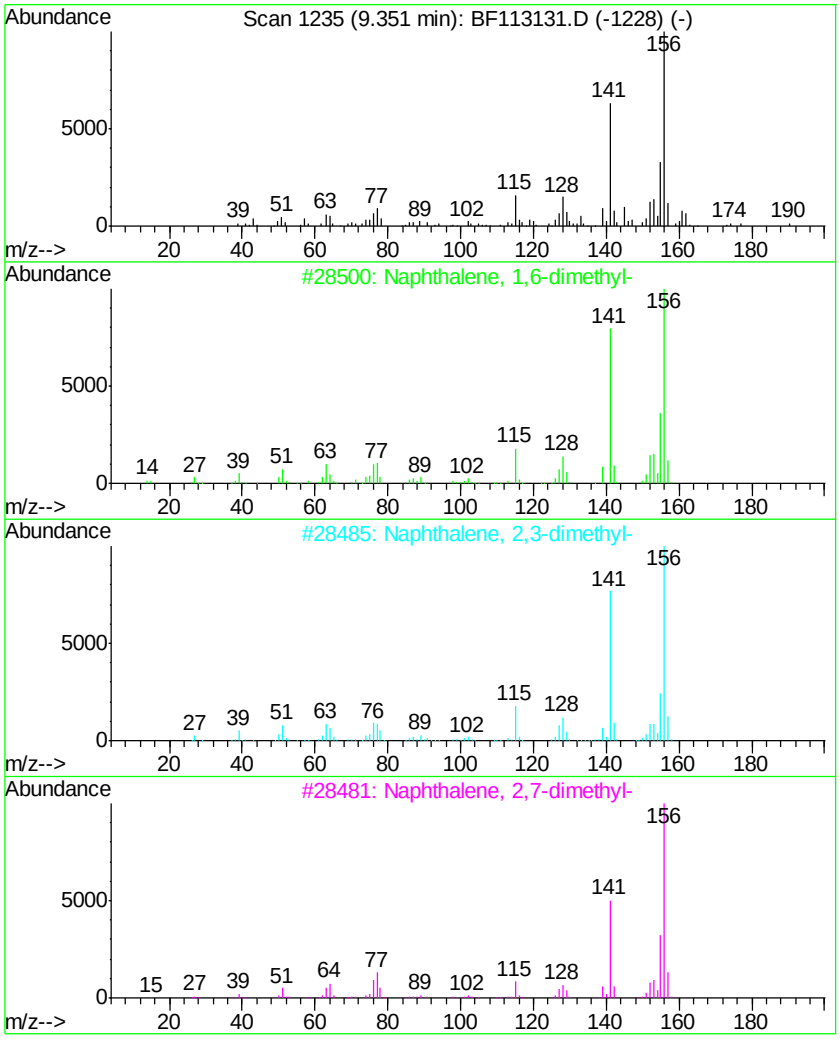
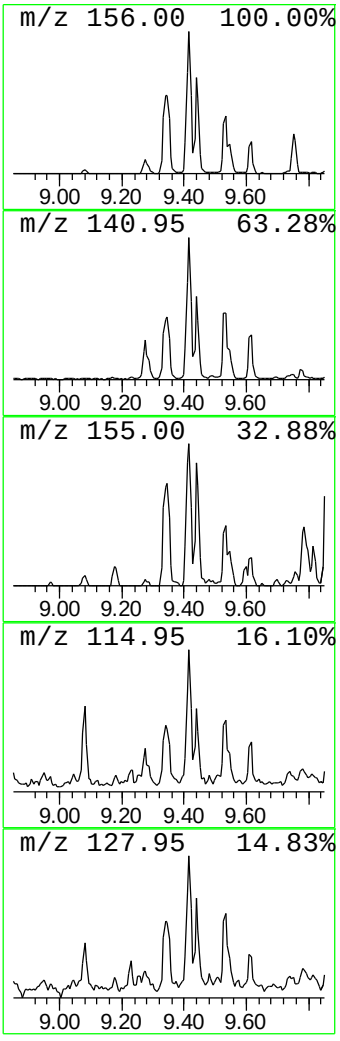
Peak Number 5 Naphthalene, 1,6-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.35	3.68 ng	263832	Acenaphthene-d10	9.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113131.D
Acq On : 19 Mar 2019 17:50
Operator : JU/SJ
Sample : K1951-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-03-006-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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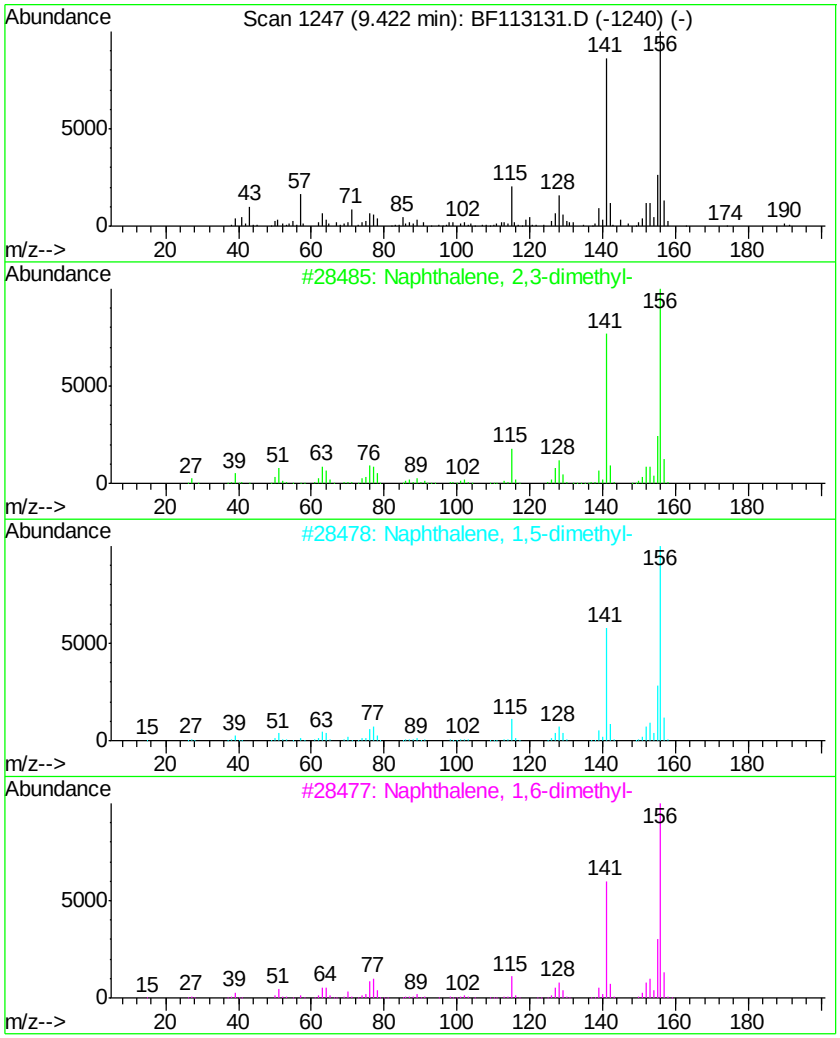
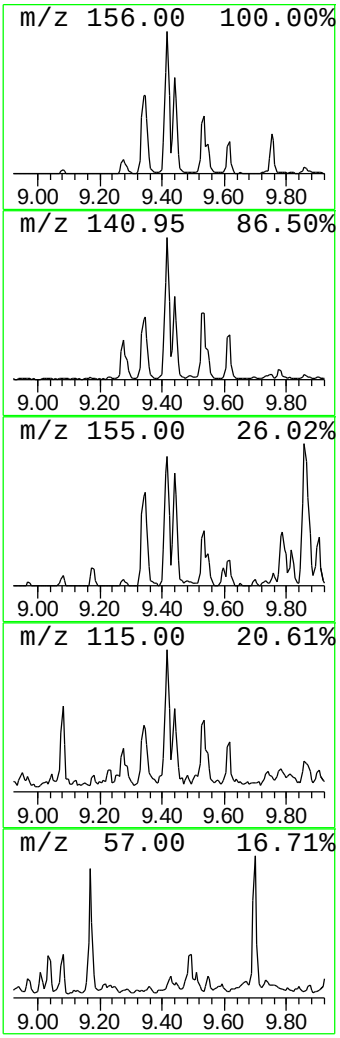
Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	4.53 ng	324443	Acenaphthene-d10	9.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





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Operator : JU/SJ
Sample : K1951-01
Misc :
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Instrument : BNA_F
ClientSampleId : FK-GF-03-006-A

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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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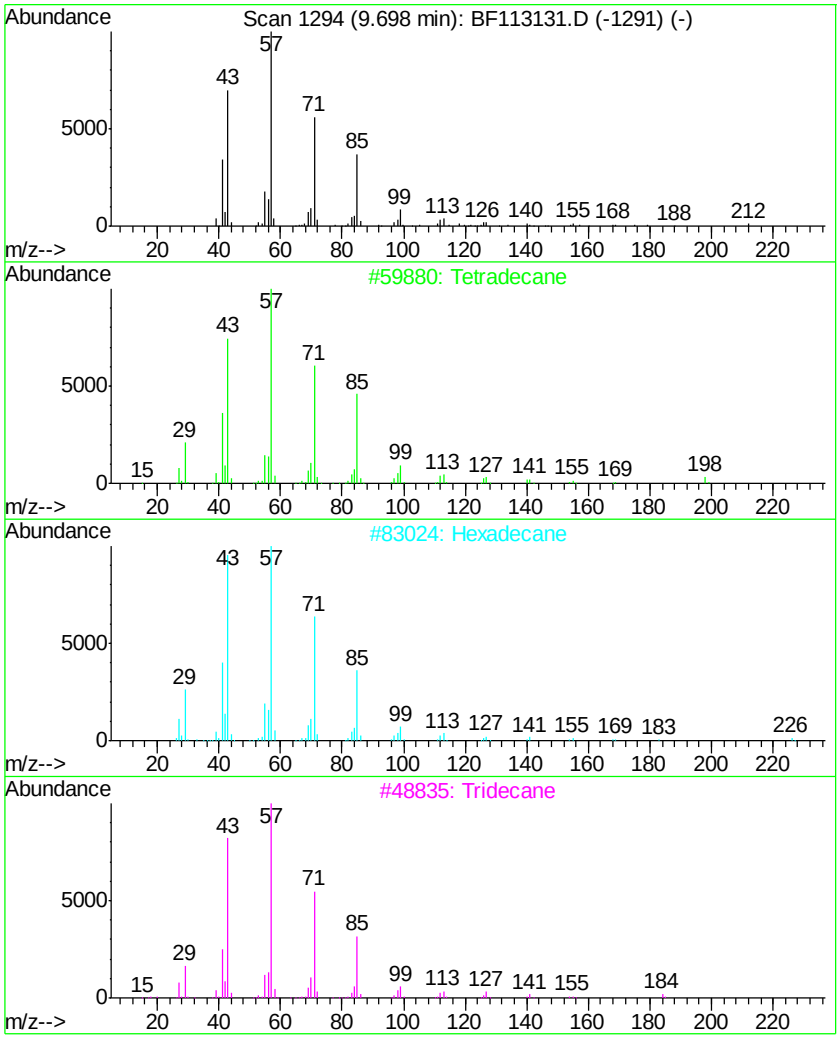
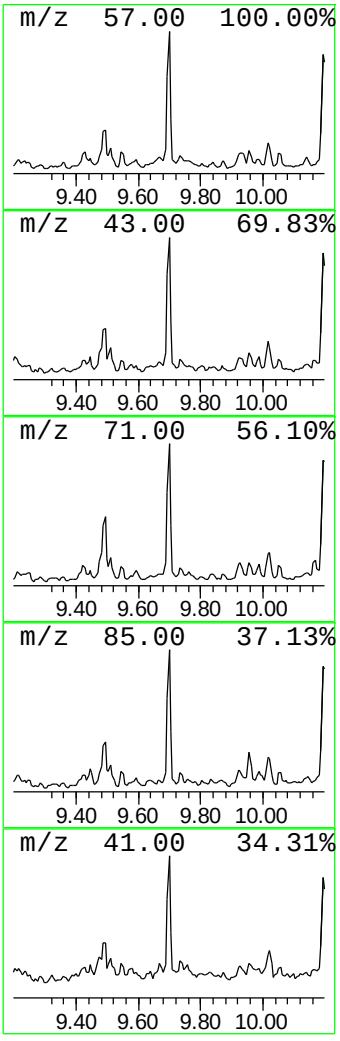
Peak Number 7 Decane, 2,3,5-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.70	2.74 ng	196556	Acenaphthene-d10	9.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	90
2	Hexadecane	226	C16H34	000544-76-3	90
3	Tridecane	184	C13H28	000629-50-5	83
4	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	78
5	Dodecane, 3-methyl-	184	C13H28	017312-57-1	72





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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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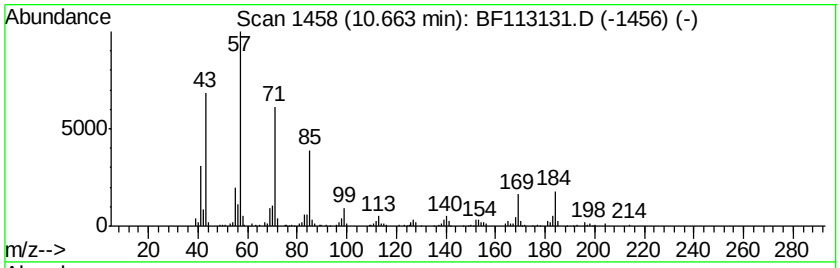
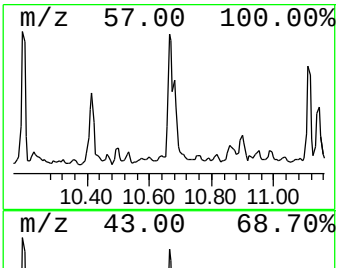
Peak Number 8 3-Methyl-4-(methoxycarbonyl... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.66	5.89 ng	330293	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1000104-10-8	86
2	Tridecane	184	C13H28	000629-50-5	83
3	Eicosane	282	C20H42	000112-95-8	74
4	Pentadecane	212	C15H32	000629-62-9	64
5	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	64





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ClientSampleId : FK-GF-03-006-A

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

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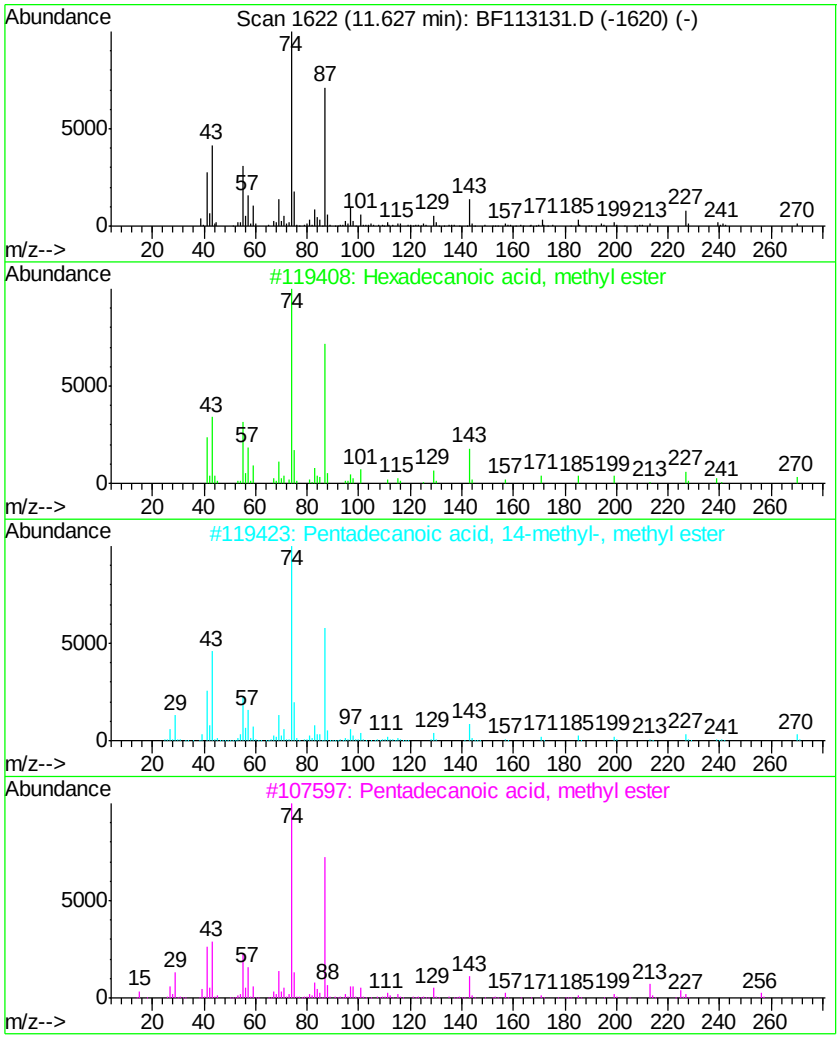
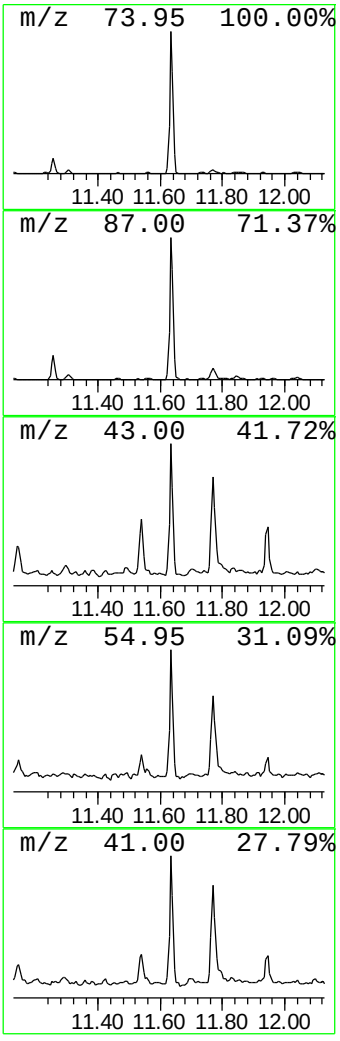
Peak Number 9 Hexadecanoic acid, methyl e... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.63	10.18 ng	570673	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	99
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	96
3	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86
4	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	83
5	Methyl tetradecanoate	242	C15H30O2	000124-10-7	80





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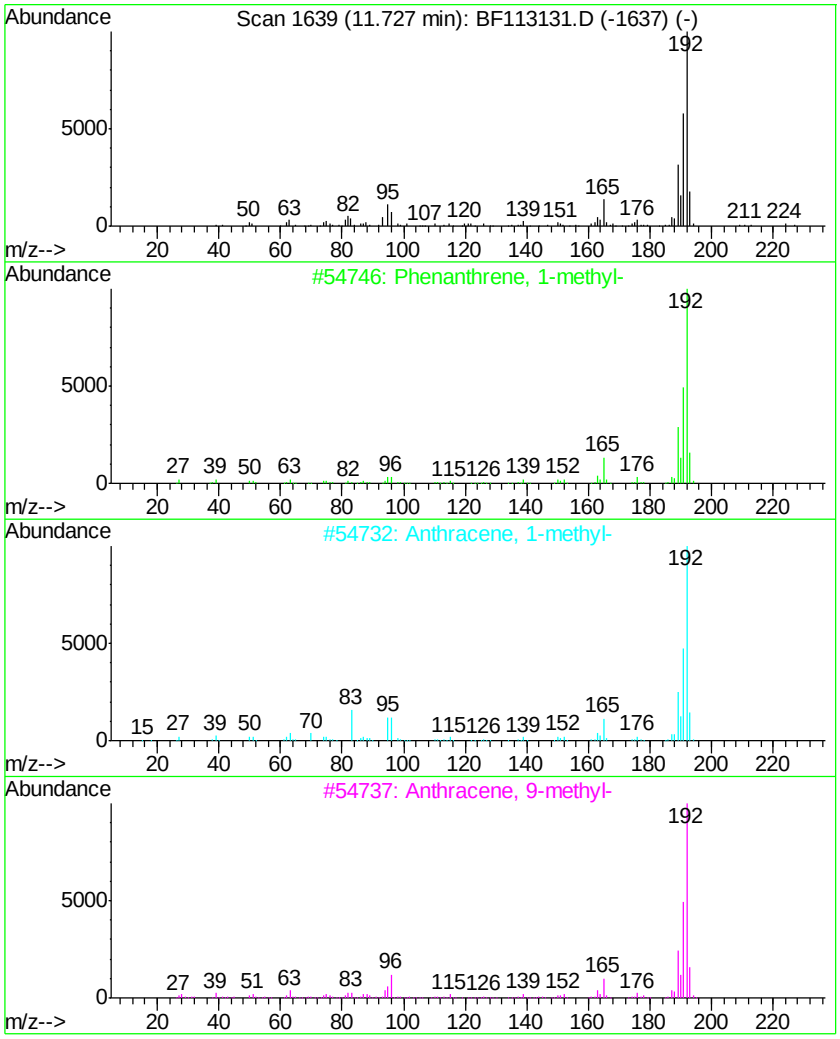
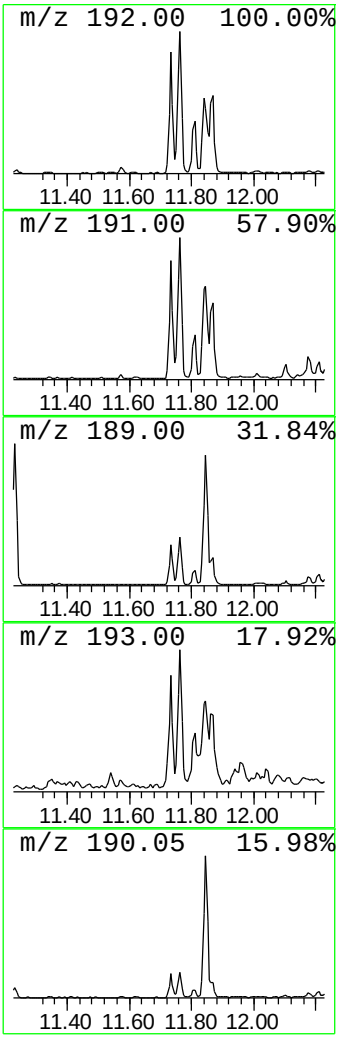
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	3.56 ng	199341	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





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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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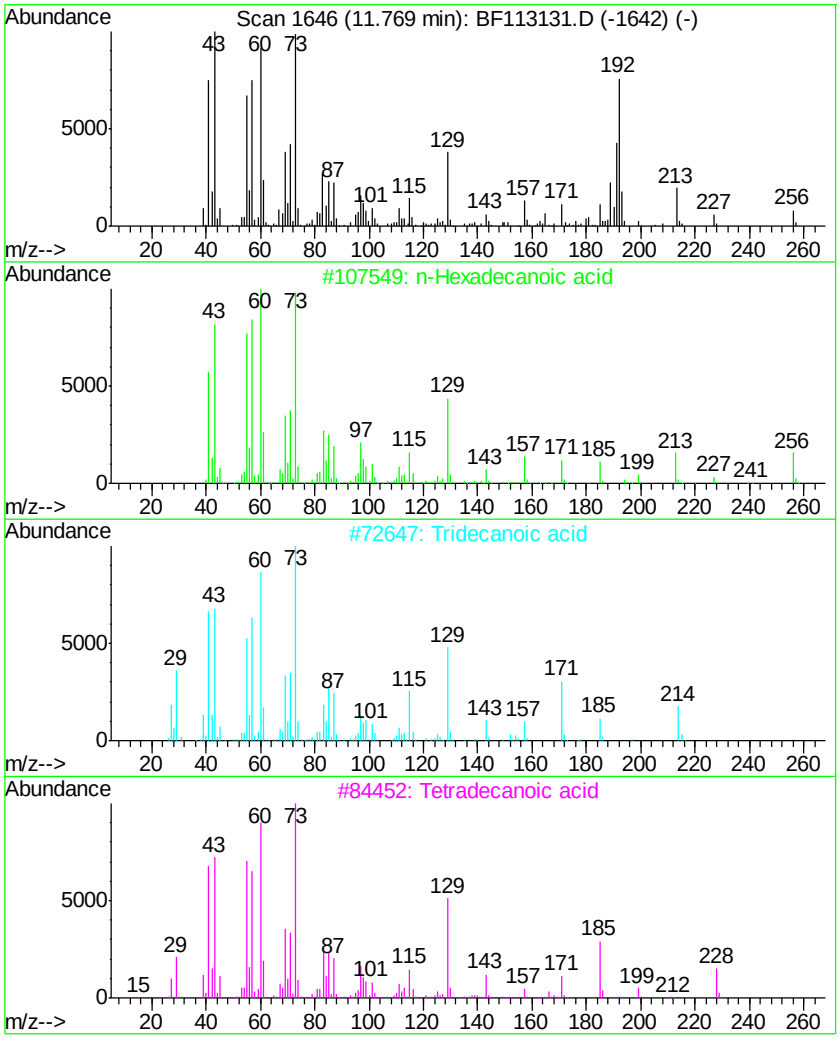
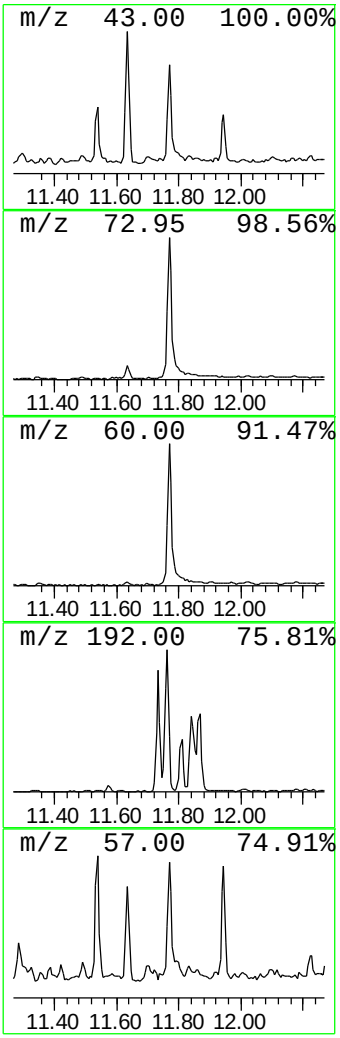
Peak Number 11 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	10.94 ng	613368	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	Tridecanoic acid	214	C13H26O2	000638-53-9	90
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	70
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	60





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ALS Vial : 10 Sample Multiplier: 1

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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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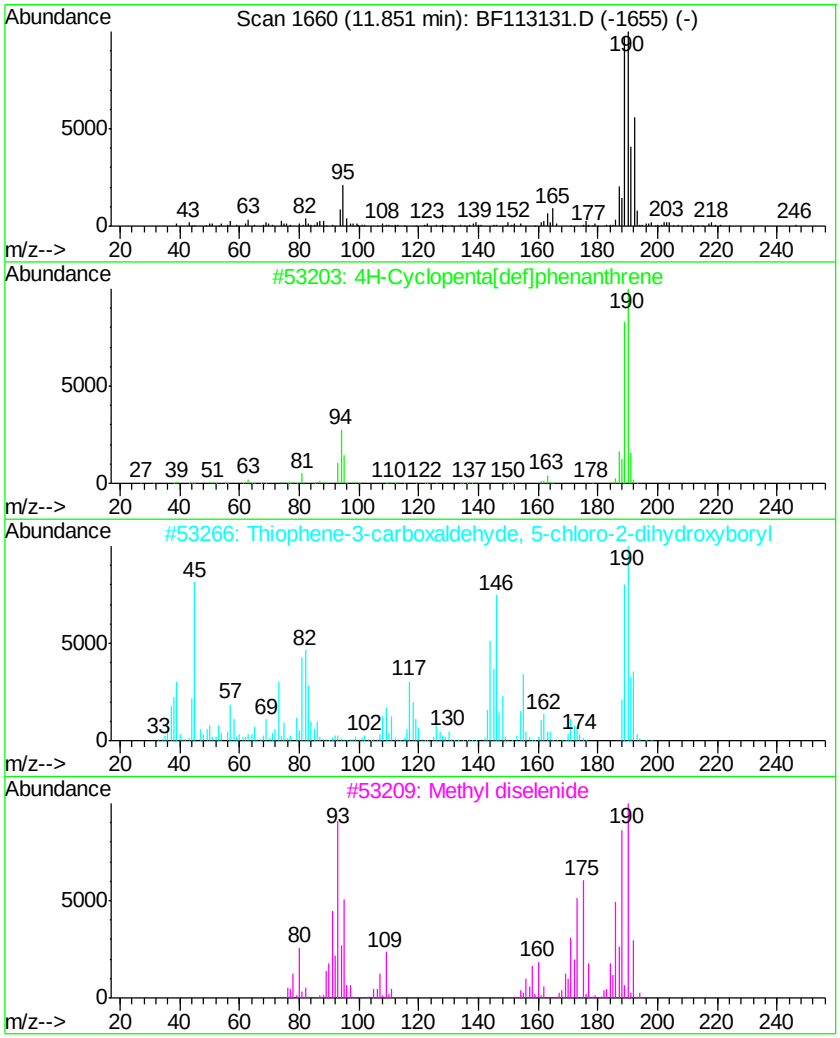
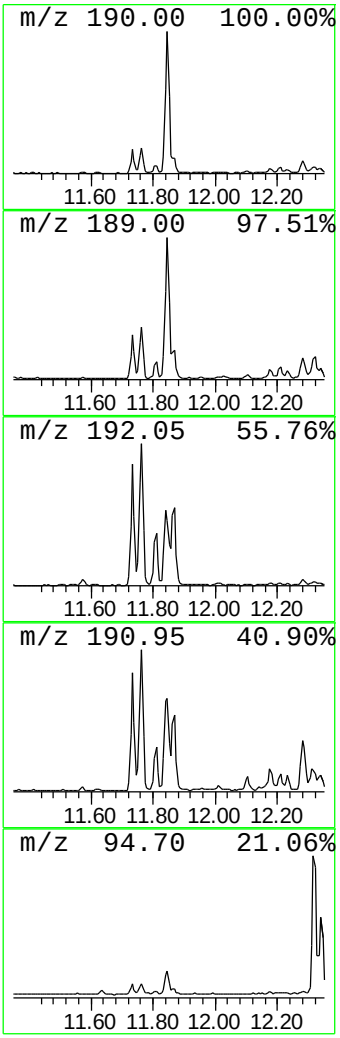
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	6.90 ng	386591	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	Methyl diselenide	190	C2H6Se2	007101-31-7	41
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40
5	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	40





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Operator : JU/SJ
Sample : K1951-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-03-006-A

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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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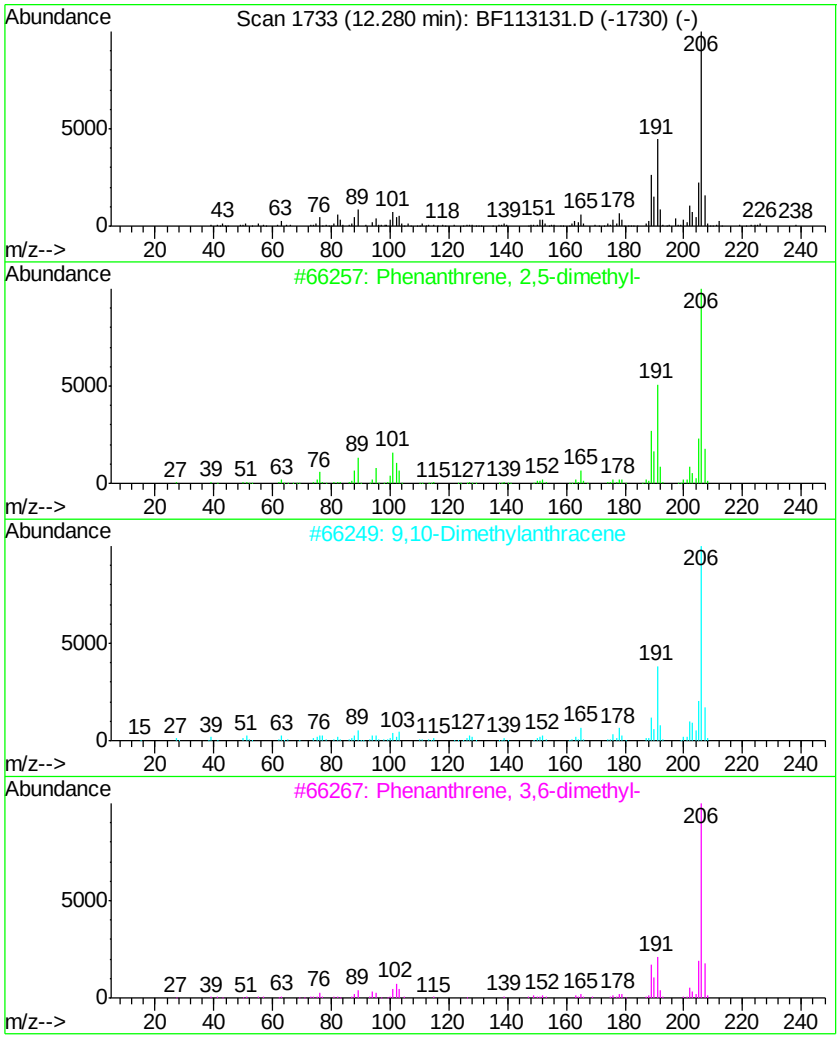
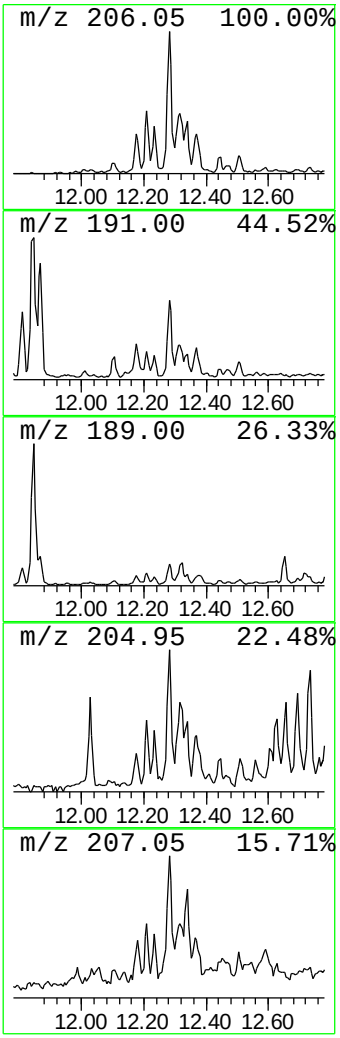
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	3.16 ng	176884	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89





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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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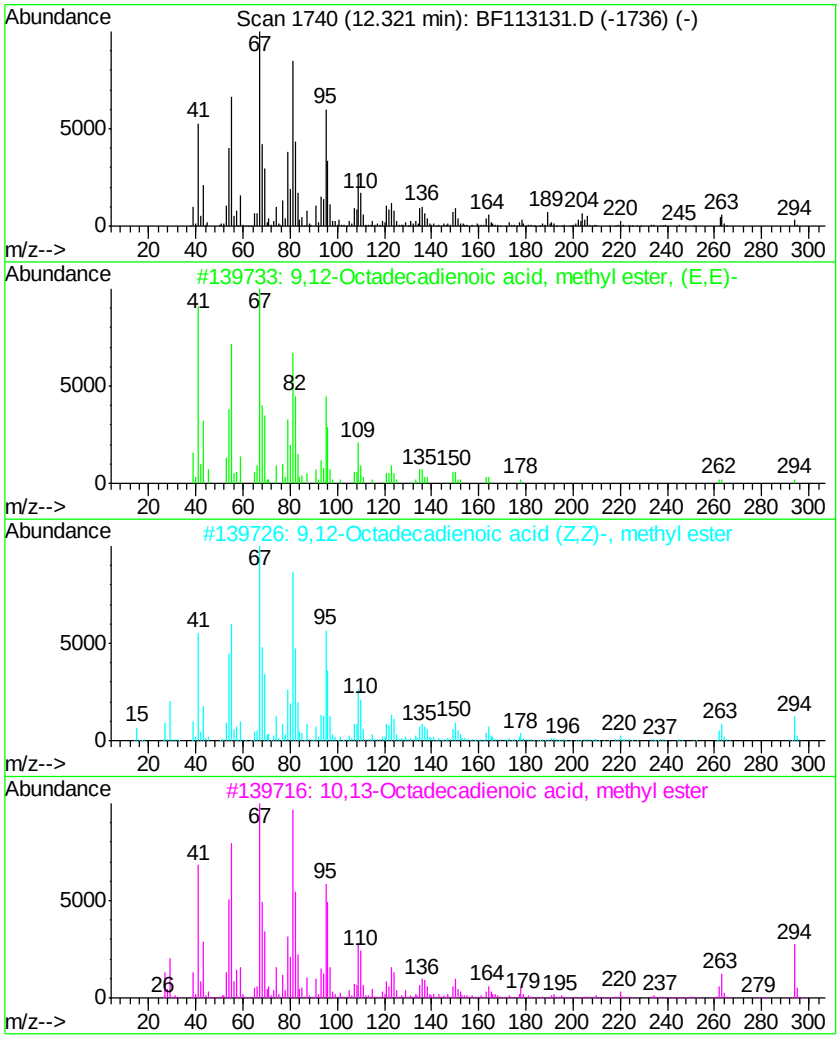
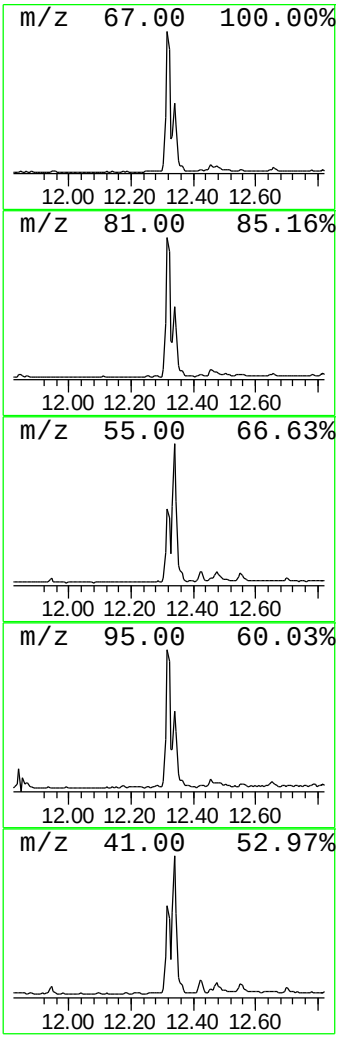
Peak Number 14 9,12-Octadecadienoic acid, ... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	28.37 ng	1590290	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
3	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
4	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
5	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99





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

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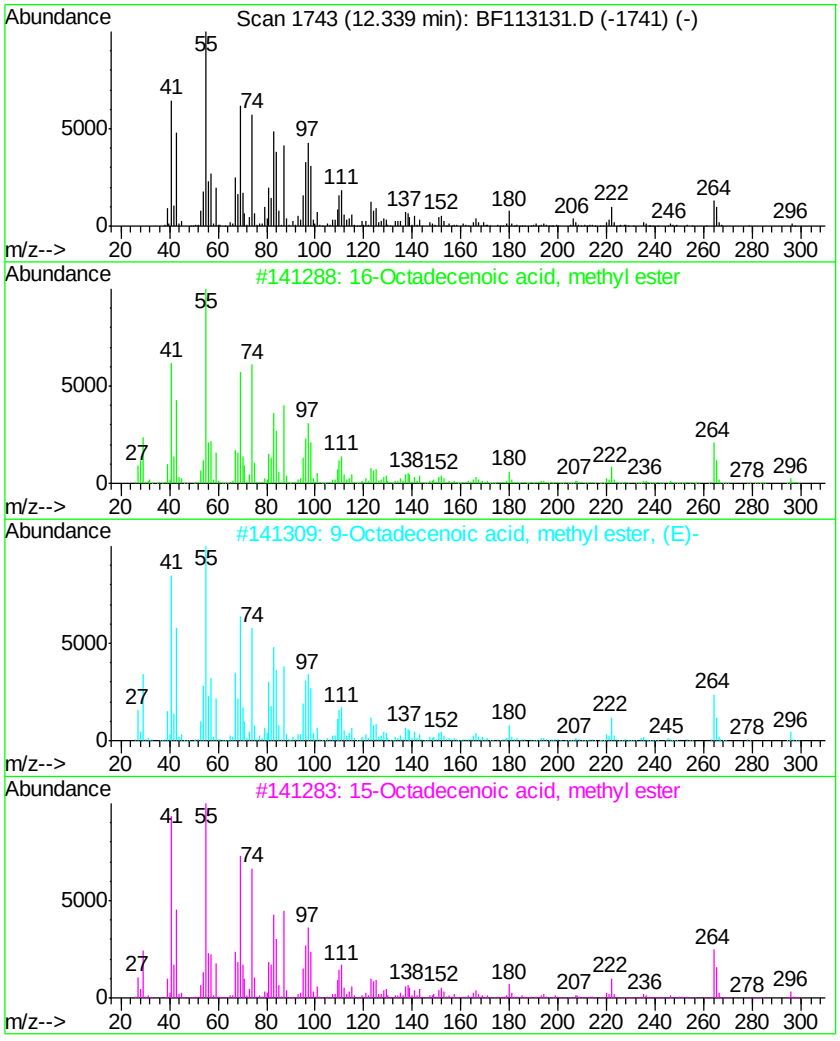
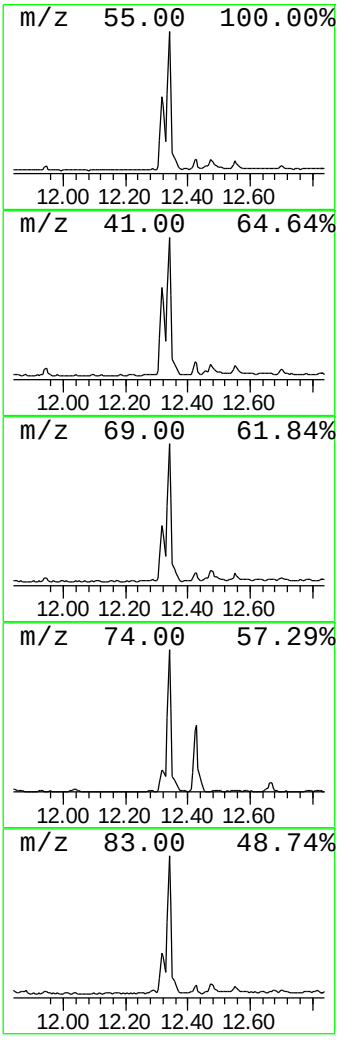
Peak Number 15 16-Octadecenoic acid, methy... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	35.12 ng	1968520	Phenanthrene-d10	11.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	99
2	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	99
3	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	99
4	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	99
5	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99





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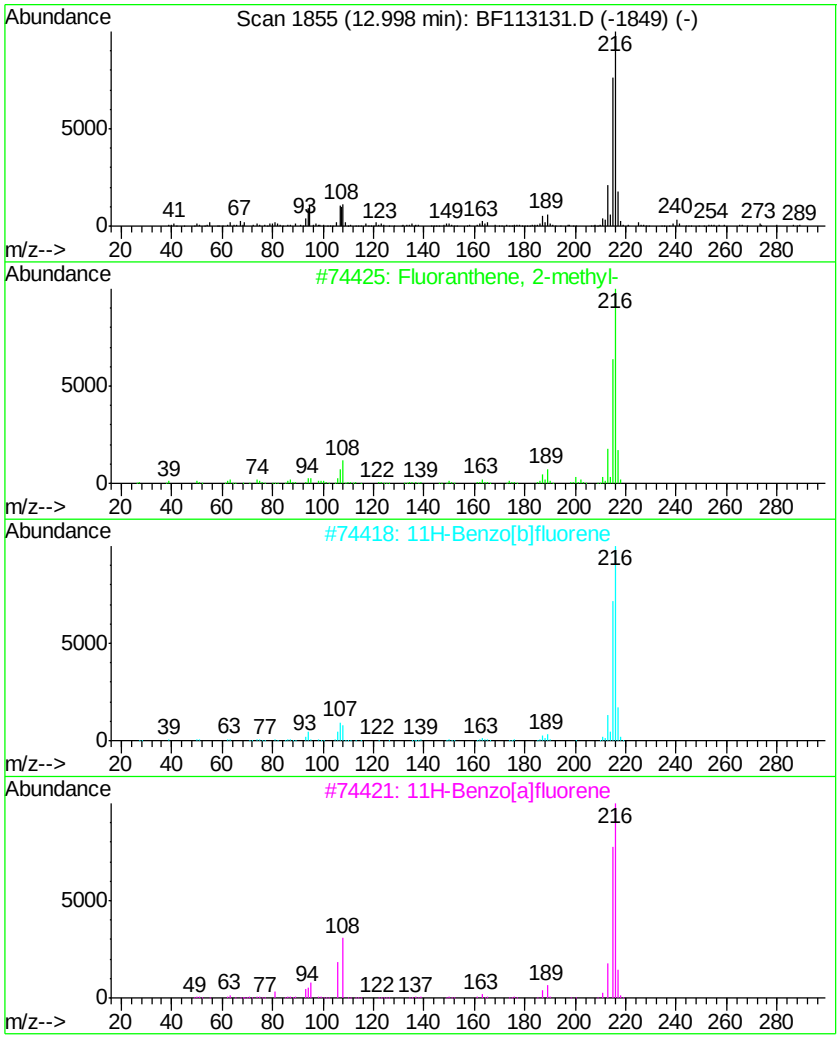
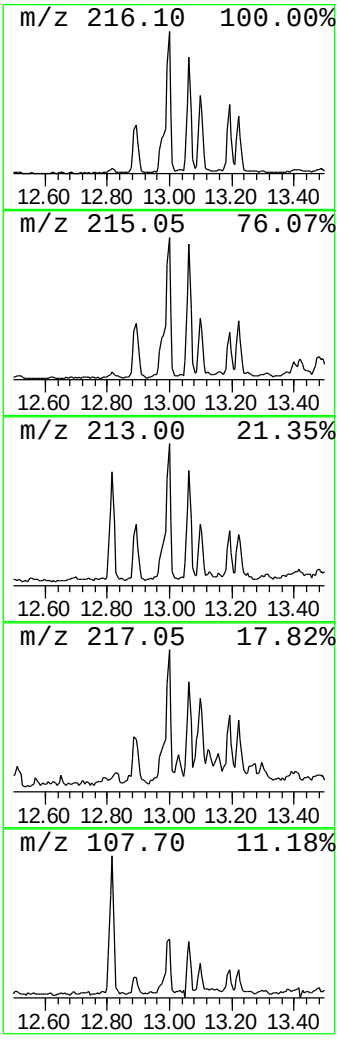
Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	4.82 ng	309093	Chrysene-d12	13.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90





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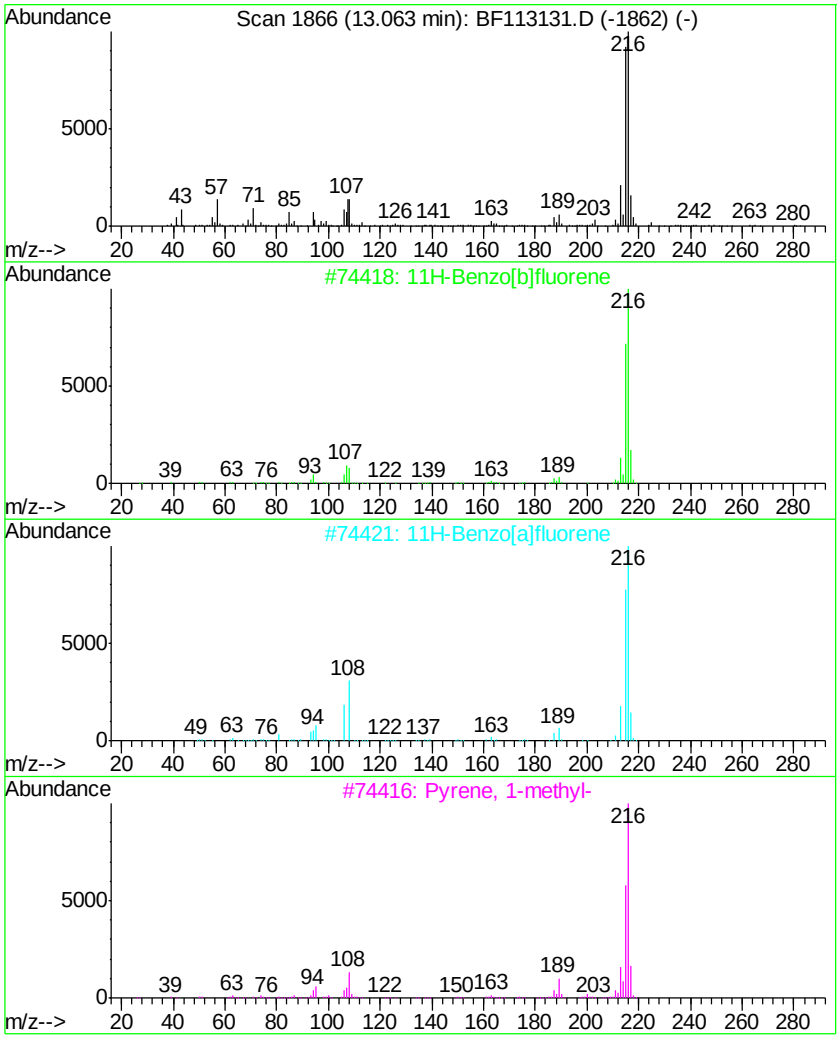
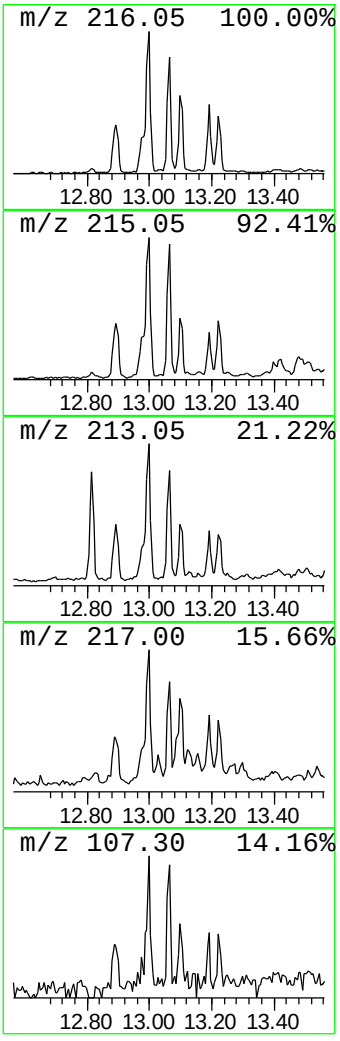
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	4.06 ng	260172	Chrysene-d12	13.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	58
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	55
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	53





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ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-03-006-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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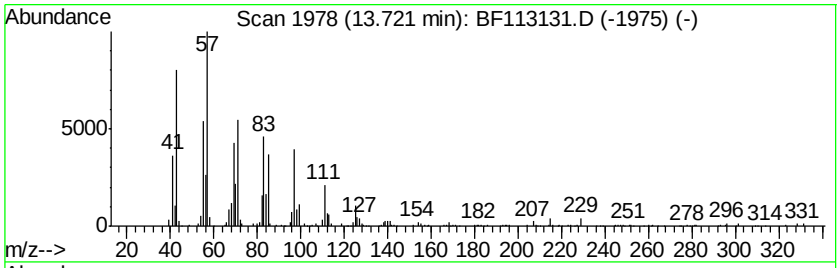
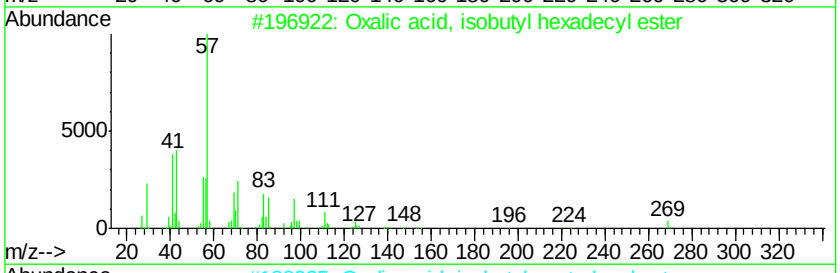
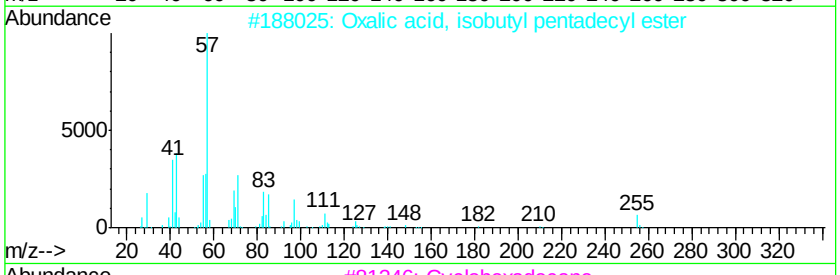
Peak Number 18 Oxalic acid, isobutyl hexad... Concentration Rank 10

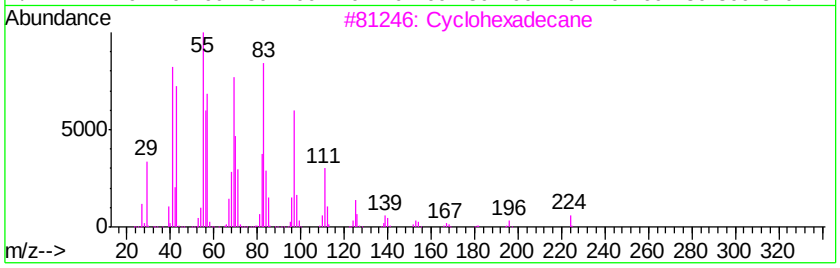
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	5.46 ng	349576	Chrysene-d12	13.86

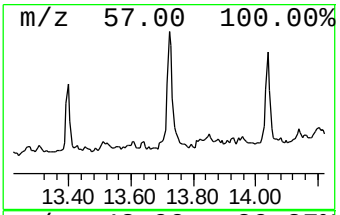
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	90
2	Oxalic acid, isobutyl pentadecyl...	356	C21H40O4	1000309-38-0	87
3	Cyclohexadecane	224	C16H32	000295-65-8	83
4	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	76
5	1-Dodecanol, 2-hexyl-	270	C18H38O	110225-00-8	74

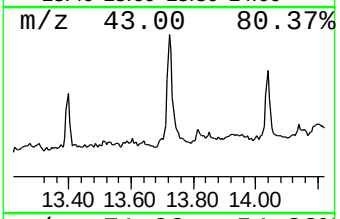


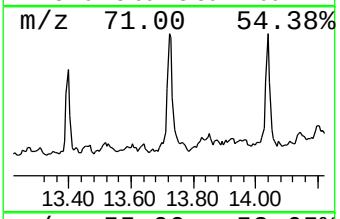


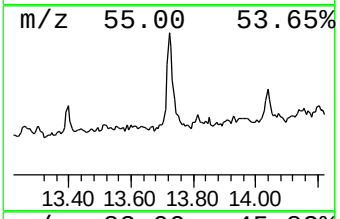


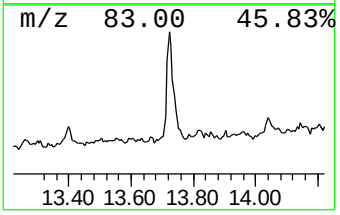












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113131.D
Acq On : 19 Mar 2019 17:50
Operator : JU/SJ
Sample : K1951-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-03-006-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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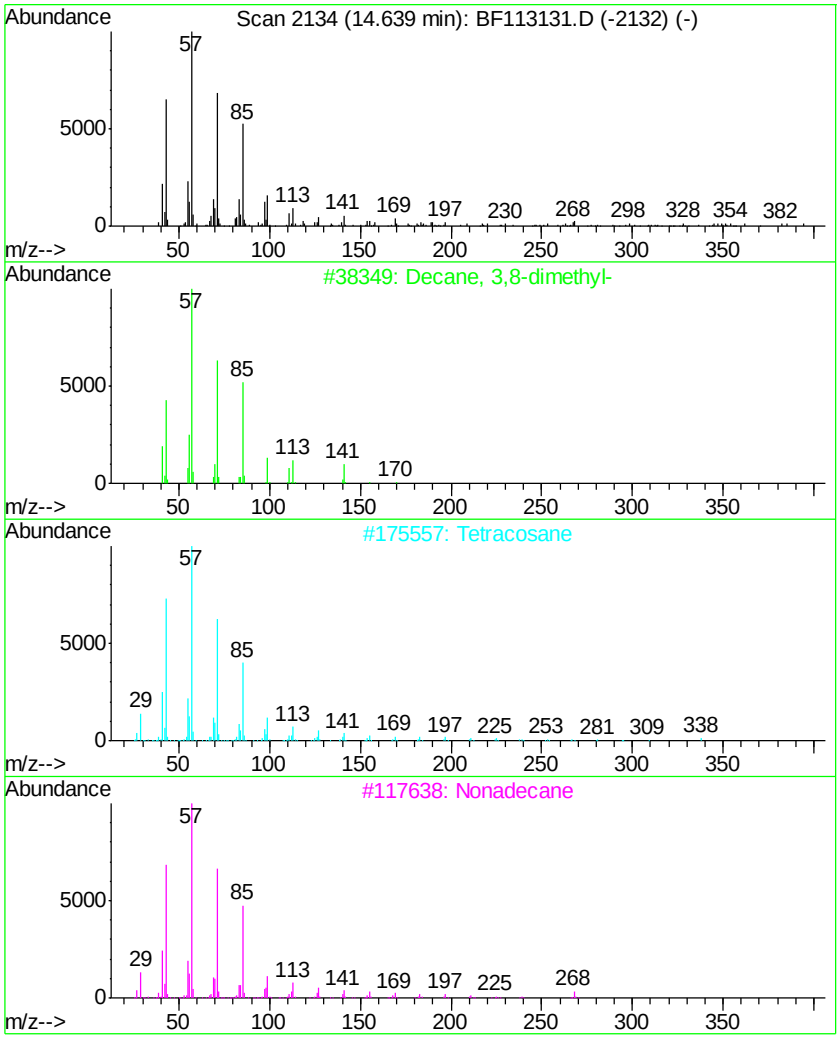
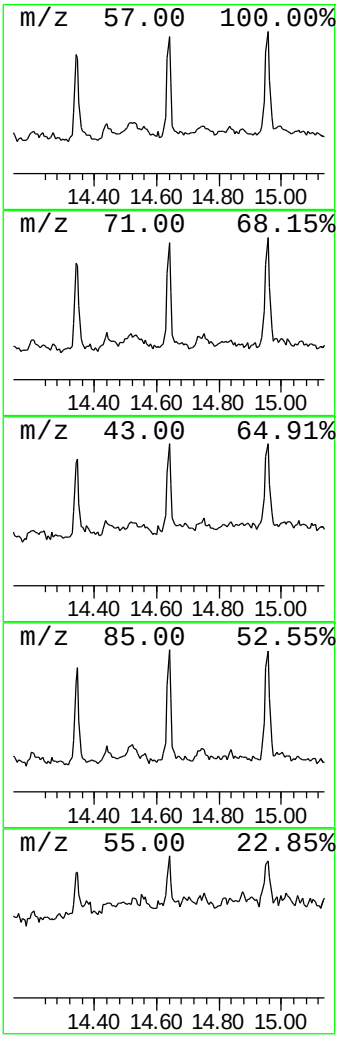
Peak Number 19 Decane, 3,8-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.64	3.14 ng	91129	Perylene-d12	15.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	87
2	Tetracosane	338	C24H50	000646-31-1	87
3	Nonadecane	268	C19H40	000629-92-5	86
4	Heneicosane	296	C21H44	000629-94-7	86
5	Docosane, 7-hexyl-	394	C28H58	055373-86-9	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113131.D
Acq On : 19 Mar 2019 17:50
Operator : JU/SJ
Sample : K1951-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-03-006-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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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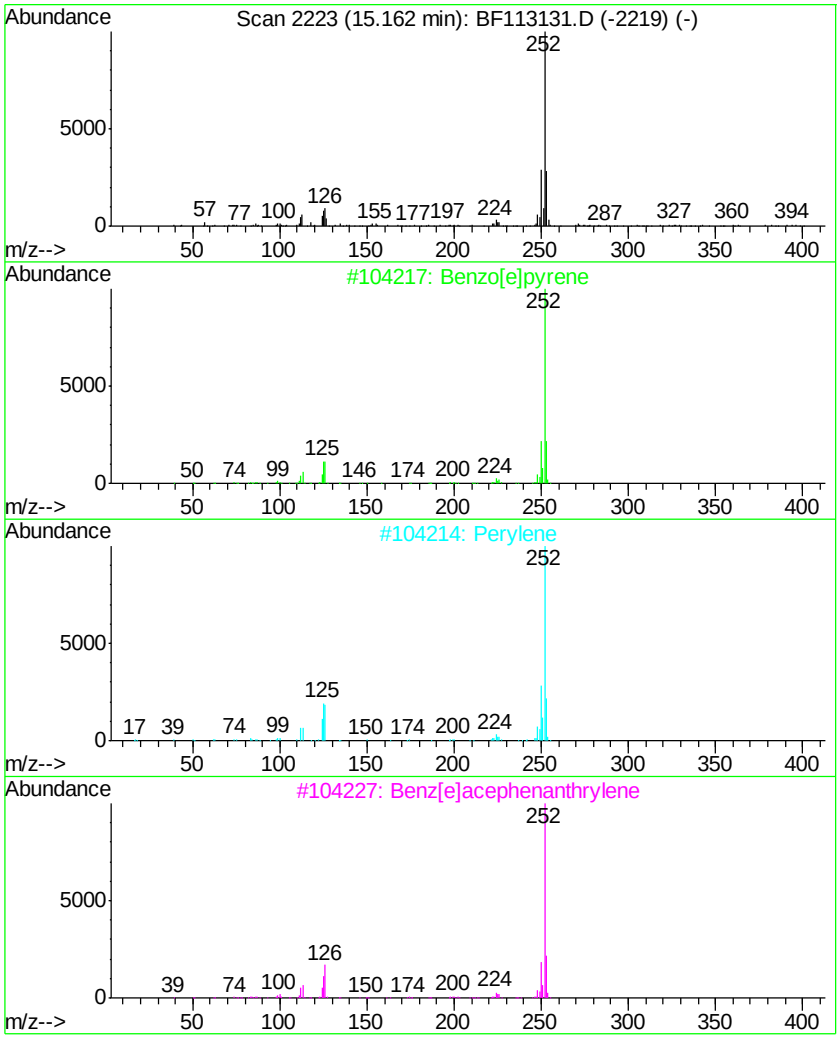
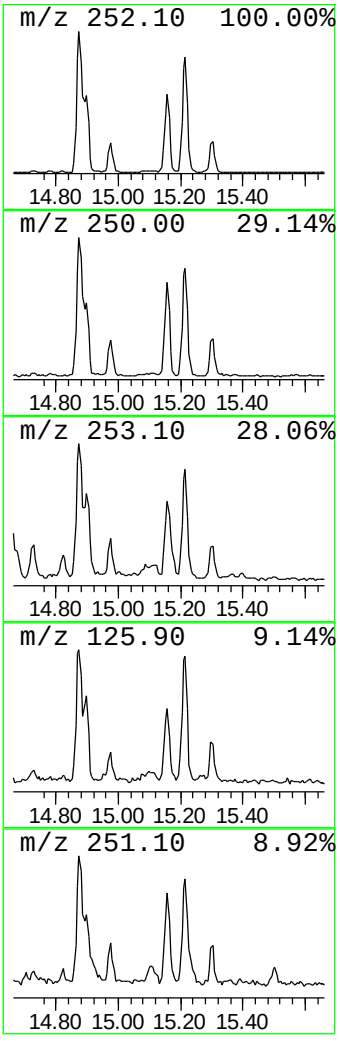
Peak Number 20 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	8.62 ng	250211	Perylene-d12	15.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
5	Benzo[a]pyrene	252	C20H12	000050-32-8	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031919\
Data File : BF113131.D
Acq On : 19 Mar 2019 17:50
Operator : JU/SJ
Sample : K1951-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-03-006-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.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
unknown6.50	6.50	76.2	ng	3986540	1	6.72	1047020	20.0
Tridecane	8.60	2.8	ng	183746	2	8.00	1333690	20.0
Tetradecane	9.17	3.4	ng	244934	3	9.75	1433450	20.0
Naphthalene, 1,6-...	9.35	3.7	ng	263832	3	9.75	1433450	20.0
Naphthalene, 2,3-...	9.42	4.5	ng	324443	3	9.75	1433450	20.0
Decane, 2,3,5-tri...	9.70	2.7	ng	196556	3	9.75	1433450	20.0
3-Methyl-4-(metho...	10.66	5.9	ng	330293	4	11.23	1120960	20.0
Hexadecanoic acid...	11.63	10.2	ng	570673	4	11.23	1120960	20.0
Phenanthrene, 1-m...	11.73	3.6	ng	199341	4	11.23	1120960	20.0
n-Hexadecanoic acid	11.77	10.9	ng	613368	4	11.23	1120960	20.0
4H-Cyclopenta[def...	11.85	6.9	ng	386591	4	11.23	1120960	20.0
Phenanthrene, 2,5...	12.28	3.2	ng	176884	4	11.23	1120960	20.0
9,12-Octadecadien...	12.32	28.4	ng	1590290	4	11.23	1120960	20.0
16-Octadecenoic a...	12.34	35.1	ng	1968520	4	11.23	1120960	20.0
Fluoranthene, 2-m...	13.00	4.8	ng	309093	5	13.86	1281330	20.0
11H-Benzo[b]fluorene	13.06	4.1	ng	260172	5	13.86	1281330	20.0
Oxalic acid, isob...	13.72	5.5	ng	349576	5	13.86	1281330	20.0
Decane, 3,8-dimet...	14.64	3.1	ng	91129	6	15.27	580441	20.0
Benzo[e]pyrene	15.16	8.6	ng	250211	6	15.27	580441	20.0