LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
Data File : BF121354.D
Acq On : 20 Aug 2020 18:47
Operator : JU/CG
Sample : L3502-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-081920

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-BF081920.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	3.604	253	258	266	rVB	18969	30812	2.07%	0.135%
2	5.298	542	546	554	rVV	964782	946485	63.49%	4.133%
3	6.334	719	722	738	rBV	1118153	1015275	68.10%	4.433%
4	6.534	750	756	760	rBV3	33053	44321	2.97%	0.194%
5	6.693	780	783	791	rBV	1001869	812160	54.48%	3.547%
6	6.957	824	828	834	rBV2	22222	31141	2.09%	0.136%
7	7.257	876	879	884	rBV	763538	607812	40.77%	2.654%
8	7.298	884	886	890	rVB	43336	31673	2.12%	0.138%
9	7.734	956	960	964	rBV5	21318	26382	1.77%	0.115%
10	7.981	996	1002	1004	rBV	1141762	1108067	74.33%	4.839%
11	7.998	1004	1005	1008	rVV	49920	36618	2.46%	0.160%
12	8.269	1047	1051	1054	rBV4	18914	31724	2.13%	0.139%
13	8.404	1070	1074	1076	rBV	33876	30688	2.06%	0.134%
14	8.481	1083	1087	1090	rBV2	31564	31126	2.09%	0.136%
15	8.575	1100	1103	1106	rBV	91400	76062	5.10%	0.332%
16	8.634	1106	1113	1116	rVB6	21546	37889	2.54%	0.165%
17	8.692	1121	1123	1126	rVB	32035	25757	1.73%	0.112%
18	8.787	1135	1139	1146	rBV2	38578	55107	3.70%	0.241%
19	9.004	1173	1176	1180	rVB2	26139	26025	1.75%	0.114%
20	9.051	1180	1184	1187	rBV	1623125	1235607	82.88%	5.396%
21	9.134	1193	1198	1201	rBV	84829	89873	6.03%	0.392%
22	9.204	1207	1210	1216	rVB3	21574	28408	1.91%	0.124%
23	9.322	1225	1230	1232	rBV4	23696	29961	2.01%	0.131%
24	9.386	1238	1241	1244	rBV2	50594	47825	3.21%	0.209%
25	9.416	1244	1246	1248	rVV	31661	24550	1.65%	0.107%
26	9.445	1248	1251	1255	rVV2	241005	243062	16.30%	1.061%
27	9.504	1259	1261	1266	rVB2	29134	34233	2.30%	0.149%
28	9.586	1272	1275	1281	rBV	375850	300362	20.15%	1.312%
29	9.663	1286	1288	1292	rBV	80731	62305	4.18%	0.272%
30	9.728	1292	1299	1302	rBV	1374531	1142463	76.64%	4.989%
31	9.757	1302	1304	1308	rVB2	29468	31428	2.11%	0.137%
32	9.833	1314	1317	1321	rBV4	22556	30030	2.01%	0.131%
33	9.892	1321	1327	1330	rBV6	20974	37969	2.55%	0.166%
34	9.928	1330	1333	1336	rVV2	35551	36863	2.47%	0.161%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
Data File : BF121354.D
Acq On : 20 Aug 2020 18:47
Operator : JU/CG
Sample : L3502-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-081920

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-BF081920.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.969	1338	1340	1347	rVB3	22339	35449	2.38%	0.155%
36	10.039	1349	1352	1355	rBV2	29664	32404	2.17%	0.142%
37	10.133	1364	1368	1370	rBV2	29738	32866	2.20%	0.144%
38	10.163	1370	1373	1379	rVB2	77894	93171	6.25%	0.407%
39	10.275	1389	1392	1398	rVB3	52674	77405	5.19%	0.338%
40	10.381	1408	1410	1416	rVV	59517	64121	4.30%	0.280%
41	10.433	1416	1419	1421	rVV2	20682	23191	1.56%	0.101%
42	10.457	1421	1423	1427	rVB2	21039	25385	1.70%	0.111%
43	10.516	1427	1433	1437	rBV	738993	638915	42.86%	2.790%
44	10.639	1451	1454	1461	rVB2	110841	145550	9.76%	0.636%
45	10.822	1481	1485	1488	rBV2	35638	53886	3.61%	0.235%
46	10.845	1488	1489	1496	rVV3	28889	42813	2.87%	0.187%
47	10.904	1496	1499	1505	rVV6	22031	42128	2.83%	0.184%
48	10.975	1505	1511	1516	rVV3	41806	76943	5.16%	0.336%
49	11.016	1516	1518	1522	rVV2	40141	44708	3.00%	0.195%
50	11.057	1523	1525	1527	rVV3	22856	25439	1.71%	0.111%
51	11.080	1527	1529	1532	rVV2	84322	90116	6.04%	0.394%
52	11.110	1532	1534	1539	rVB2	76287	83419	5.60%	0.364%
53	11.210	1547	1551	1553	rBV	1223728	1045654	70.14%	4.566%
54	11.233	1553	1555	1558	rVV	470459	350246	23.49%	1.529%
55	11.286	1561	1564	1567	rVB	241405	193574	12.98%	0.845%
56	11.322	1567	1570	1573	rBV	52162	54580	3.66%	0.238%
57	11.445	1588	1591	1593	rBV	37877	31209	2.09%	0.136%
58	11.510	1599	1602	1605	rBV	92742	71302	4.78%	0.311%
59	11.539	1605	1607	1612	rVB2	52849	53135	3.56%	0.232%
60	11.610	1616	1619	1624	rVB3	61741	84721	5.68%	0.370%
61	11.669	1627	1629	1632	rBV3	27286	31976	2.14%	0.140%
62	11.710	1633	1636	1639	rBV	135368	126367	8.48%	0.552%
63	11.739	1639	1641	1644	rVB	170909	135996	9.12%	0.594%
64	11.786	1646	1649	1652	rVV	69378	59664	4.00%	0.261%
65	11.822	1652	1655	1657	rVV	200956	198988	13.35%	0.869%
66	11.845	1657	1659	1664	rVB	124179	109302	7.33%	0.477%
67	11.892	1664	1667	1669	rBV3	29962	37817	2.54%	0.165%
68	11.916	1669	1671	1674	rVV2	88600	73602	4.94%	0.321%
69	11.945	1674	1676	1679	rVB2	39267	31916	2.14%	0.139%
70	12.004	1684	1686	1688	rVV	70469	70830	4.75%	0.309%
71	12.033	1689	1691	1695	rVB2	63787	71883	4.82%	0.314%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
Data File : BF121354.D
Acq On : 20 Aug 2020 18:47
Operator : JU/CG
Sample : L3502-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-081920

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-BF081920.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.139	1706	1709	1710	rBV	50337	44841	3.01%	0.196%
73	12.186	1714	1717	1720	rVV	164783	163291	10.95%	0.713%
74	12.263	1724	1730	1732	rBV2	161960	191492	12.85%	0.836%
75	12.292	1732	1735	1738	rVV4	252127	346758	23.26%	1.514%
76	12.345	1742	1744	1748	rBV3	85982	100861	6.77%	0.440%
77	12.422	1754	1757	1760	rVB	798802	649770	43.59%	2.837%
78	12.516	1770	1773	1776	rBV	137107	129566	8.69%	0.566%
79	12.651	1790	1796	1798	rBV	846109	821838	55.13%	3.589%
80	12.674	1798	1800	1803	rVB2	130865	115734	7.76%	0.505%
81	12.792	1817	1820	1829	rVB	1174644	1191472	79.92%	5.203%
82	12.869	1830	1833	1837	rBV2	78823	116459	7.81%	0.509%
83	12.957	1846	1848	1849	rBV2	70843	61472	4.12%	0.268%
84	12.974	1849	1851	1854	rVB	161245	167291	11.22%	0.731%
85	13.033	1858	1861	1865	rVB3	136038	182102	12.22%	0.795%
86	13.080	1866	1869	1872	rBV2	147879	154820	10.39%	0.676%
87	13.174	1883	1885	1888	rVB	105111	79440	5.33%	0.347%
88	13.204	1888	1890	1893	rBV	99310	91512	6.14%	0.400%
89	13.374	1916	1919	1922	rBV	151372	146526	9.83%	0.640%
90	13.404	1922	1924	1927	rVV	164589	147208	9.87%	0.643%
91	13.486	1936	1938	1942	rVB	116378	120688	8.10%	0.527%
92	13.704	1972	1975	1982	rVB3	316415	400119	26.84%	1.747%
93	13.851	1995	2000	2002	rBV2	1190206	1490771	100.00%	6.510%
94	13.874	2002	2004	2007	rVB	440501	337060	22.61%	1.472%
95	14.327	2079	2081	2084	rVB3	182048	133846	8.98%	0.584%
96	14.621	2129	2131	2133	rBV2	198273	167968	11.27%	0.733%
97	14.868	2169	2173	2180	rVB	497838	880655	59.07%	3.846%
98	15.145	2218	2220	2226	rVB	295420	359705	24.13%	1.571%
99	15.204	2227	2230	2236	rVB	418441	479550	32.17%	2.094%
100	15.268	2237	2241	2243	rBV	654242	786680	52.77%	3.435%

Sum of corrected areas: 22900229

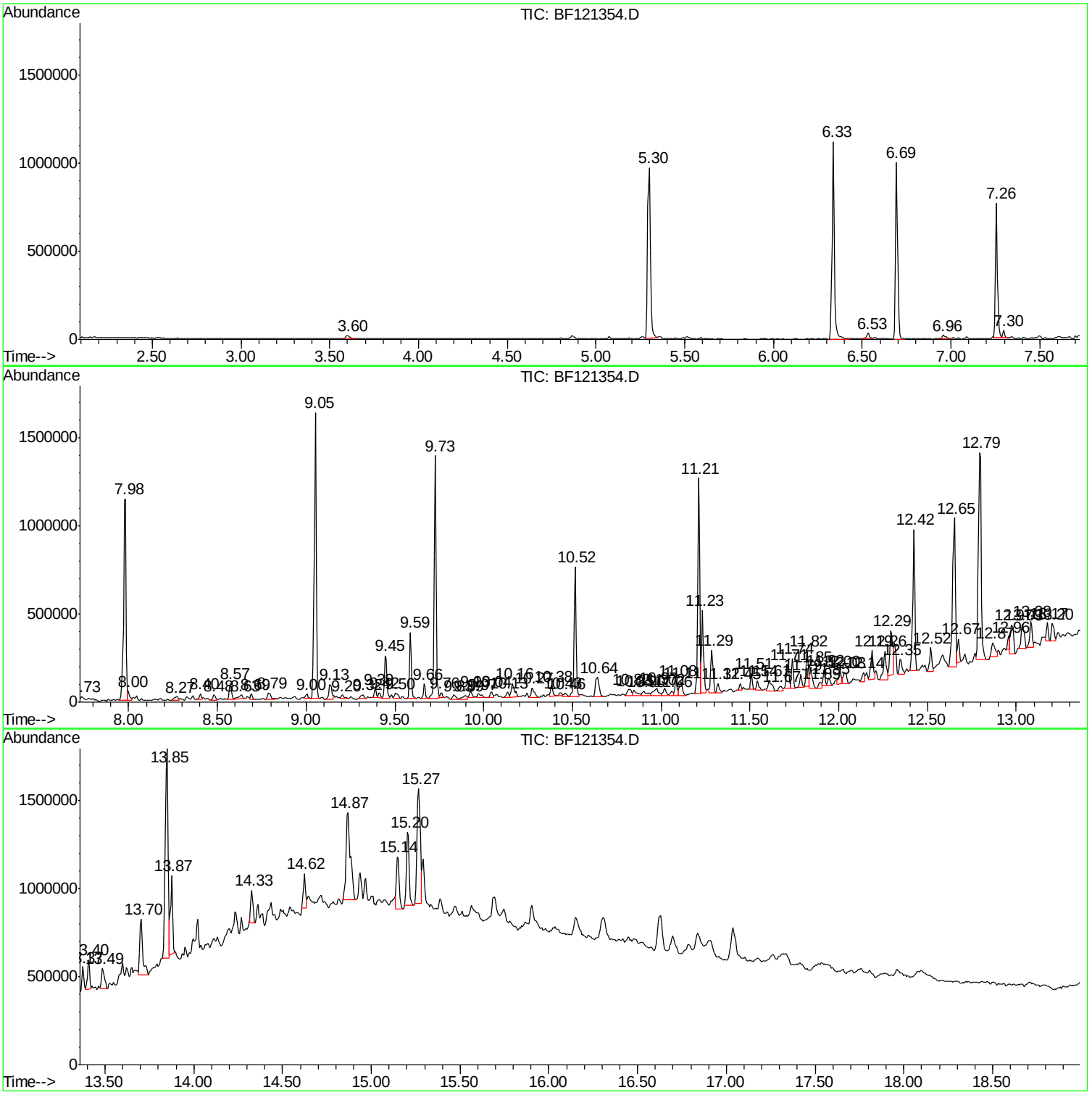
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
Data File : BF121354.D
Acq On : 20 Aug 2020 18:47
Operator : JU/CG
Sample : L3502-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-081920

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
Data File : BF121354.D
Acq On : 20 Aug 2020 18:47
Operator : JU/CG
Sample : L3502-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-081920

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

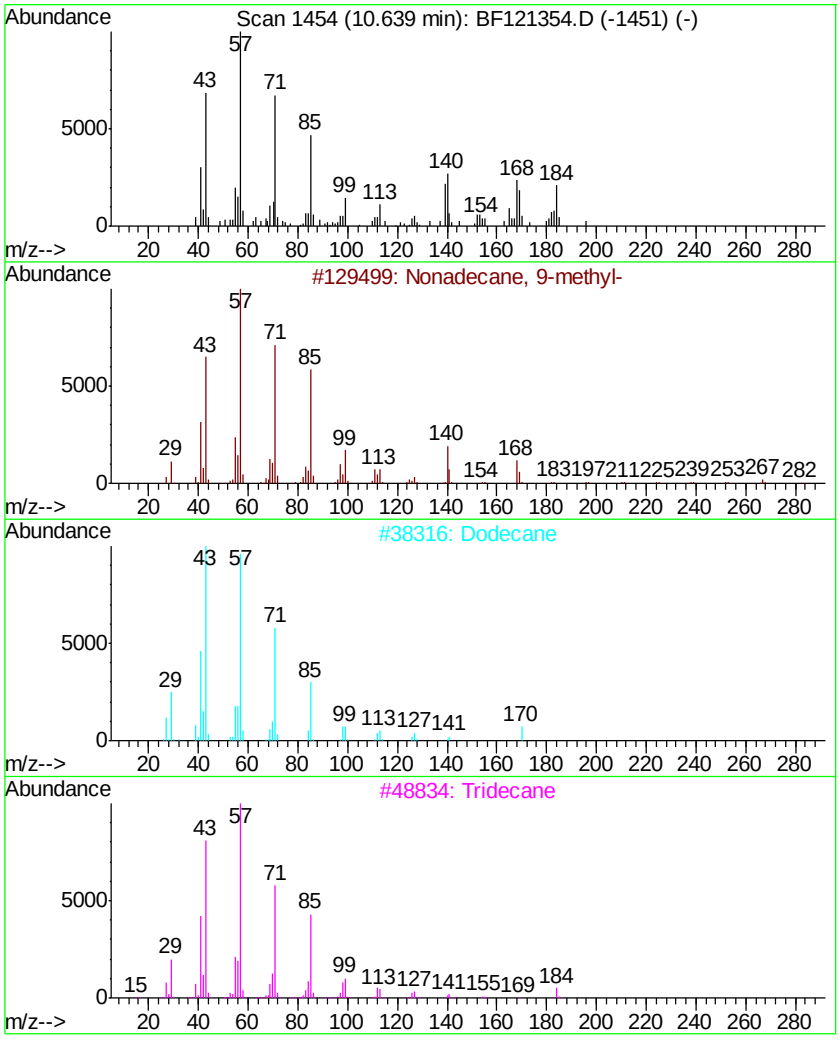
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

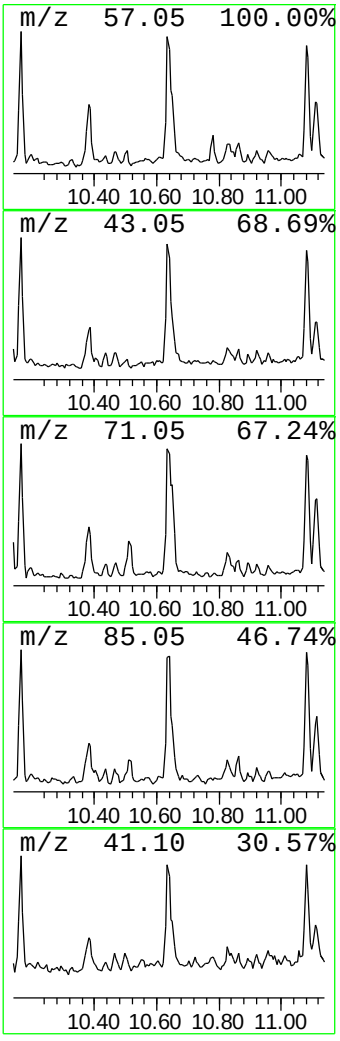
****

Peak Number 1 unknown10.64 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.64	2.78 ng	145550	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	46
2	Dodecane	170	C12H26	000112-40-3	46
3	Tridecane	184	C13H28	000629-50-5	46
4	Eicosane, 10-methyl-	296	C21H44	054833-23-7	43
5	Heneicosane	296	C21H44	000629-94-7	41





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
Data File : BF121354.D
Acq On : 20 Aug 2020 18:47
Operator : JU/CG
Sample : L3502-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-081920

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

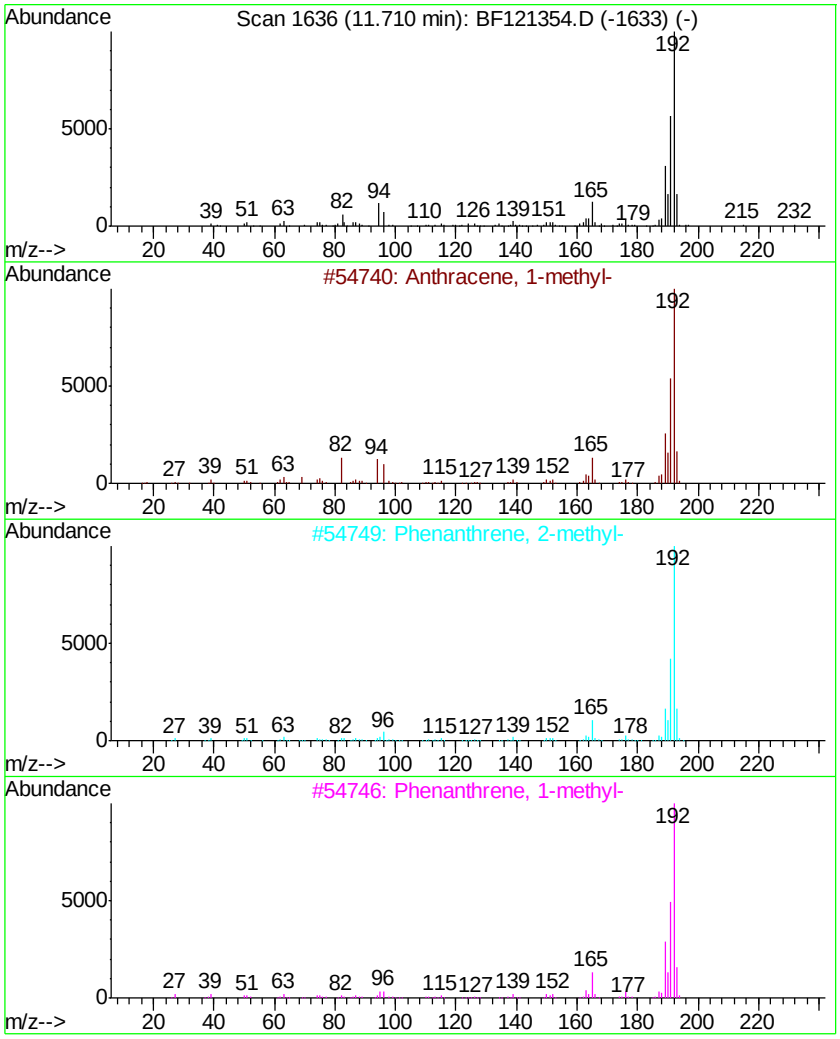
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

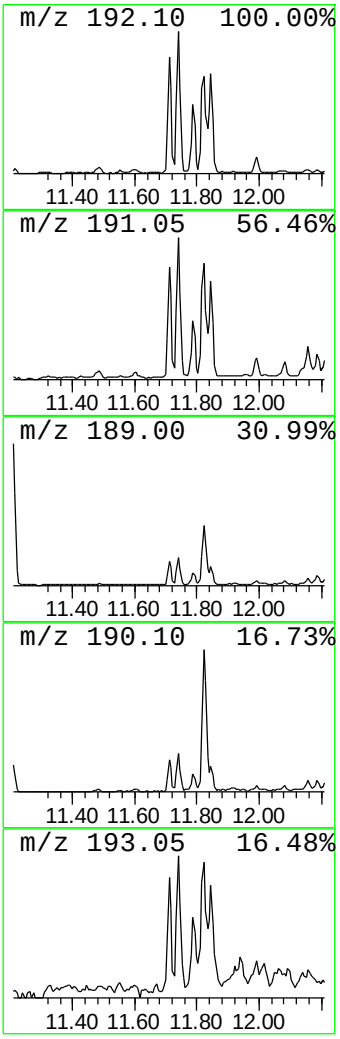
****

Peak Number 2 Anthracene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.71	2.42 ng	126367	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
Data File : BF121354.D
Acq On : 20 Aug 2020 18:47
Operator : JU/CG
Sample : L3502-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-081920

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.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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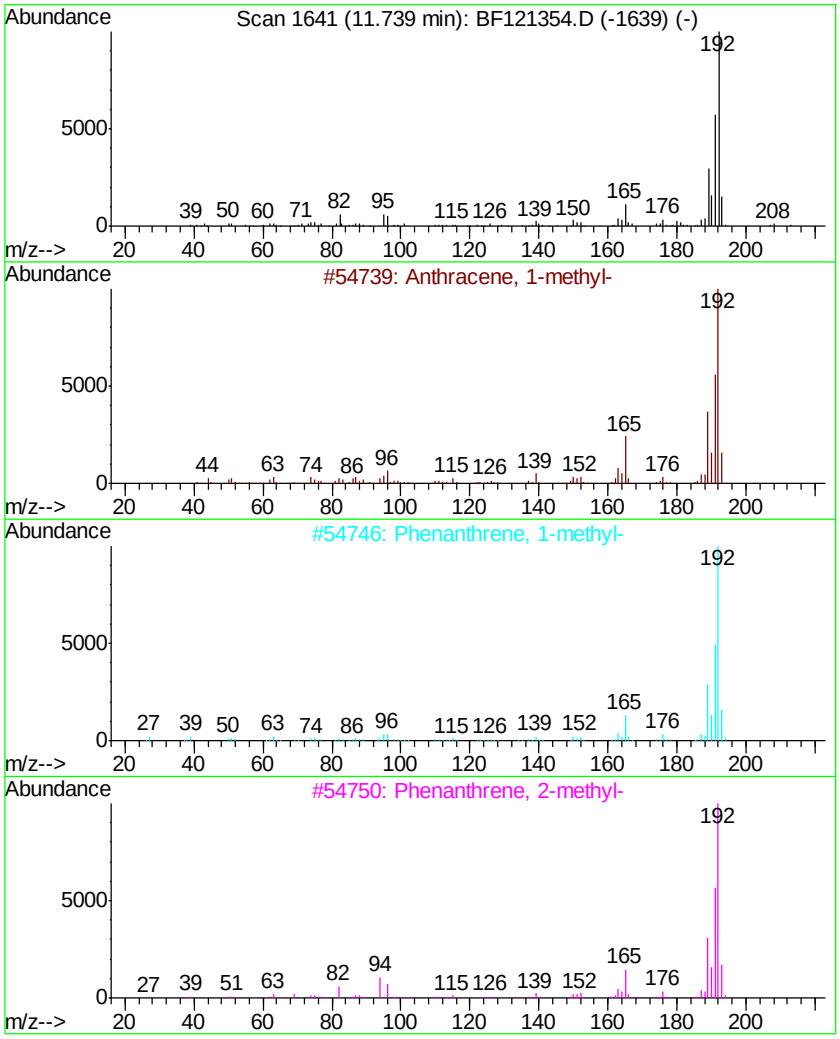
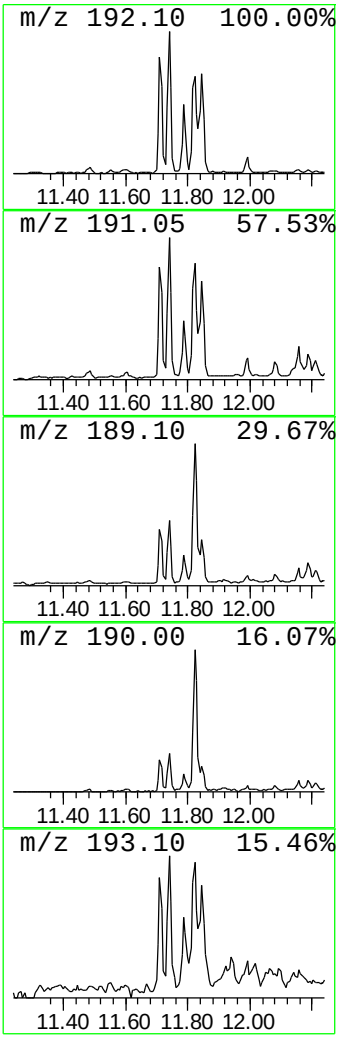
Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	2.60 ng	135996	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
Data File : BF121354.D
Acq On : 20 Aug 2020 18:47
Operator : JU/CG
Sample : L3502-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-081920

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.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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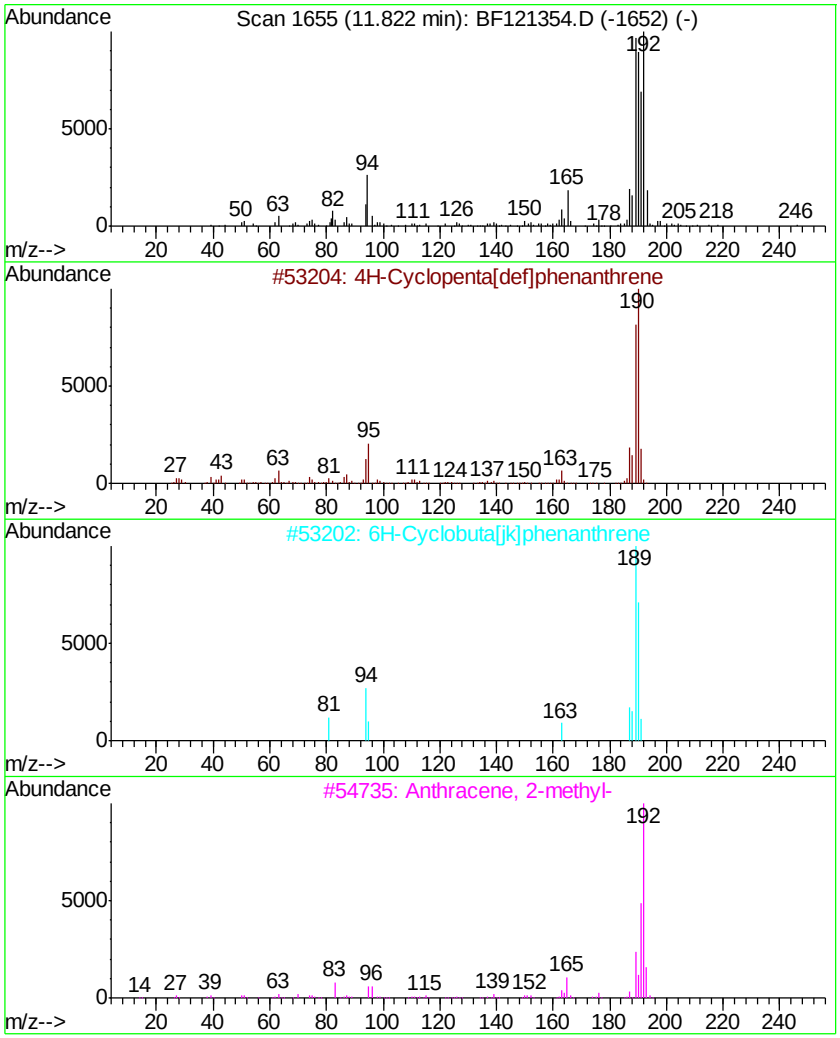
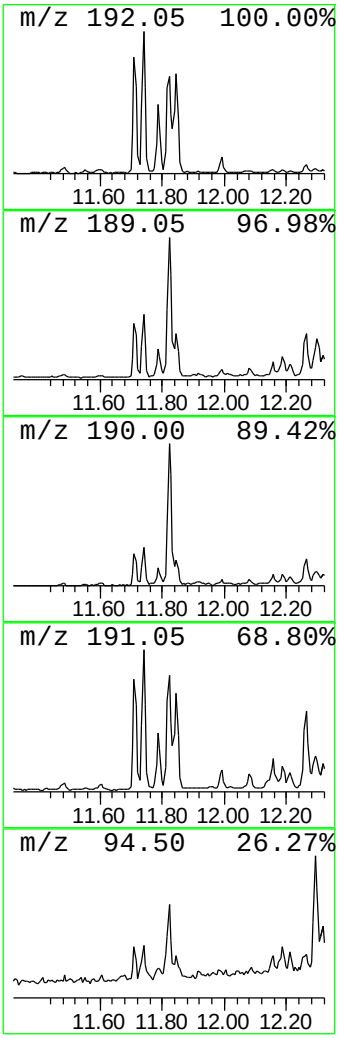
Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	3.81 ng	198988	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	42
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
Data File : BF121354.D
Acq On : 20 Aug 2020 18:47
Operator : JU/CG
Sample : L3502-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-081920

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.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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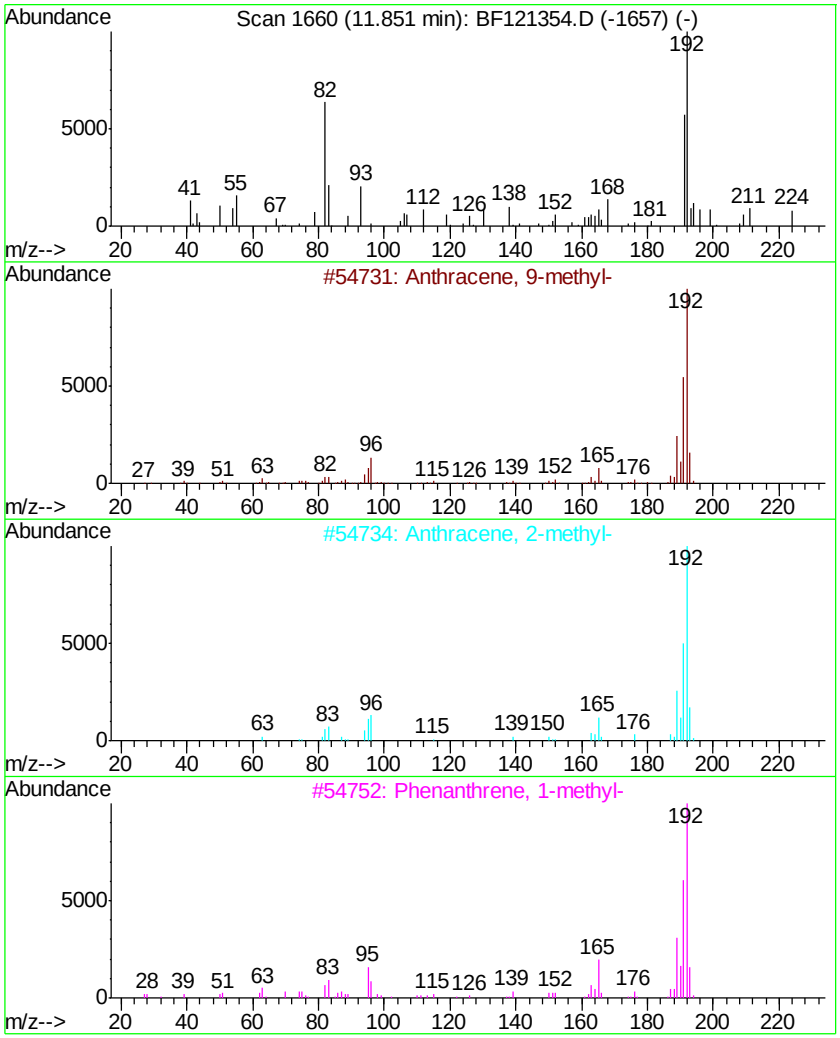
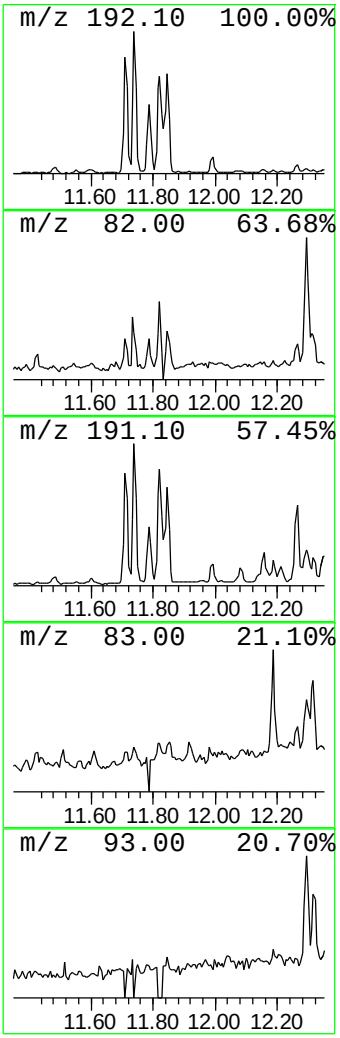
Peak Number 5 Anthracene, 9-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	2.09 ng	109302	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87





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Data File : BF121354.D
Acq On : 20 Aug 2020 18:47
Operator : JU/CG
Sample : L3502-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-081920

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.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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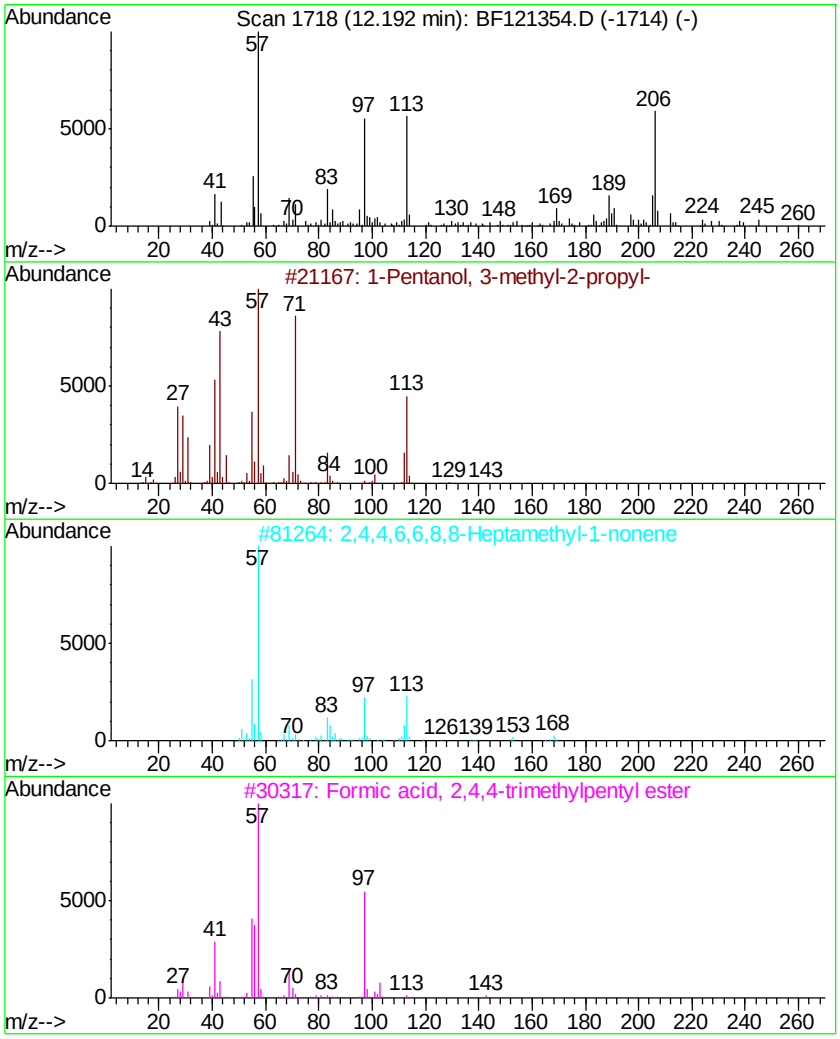
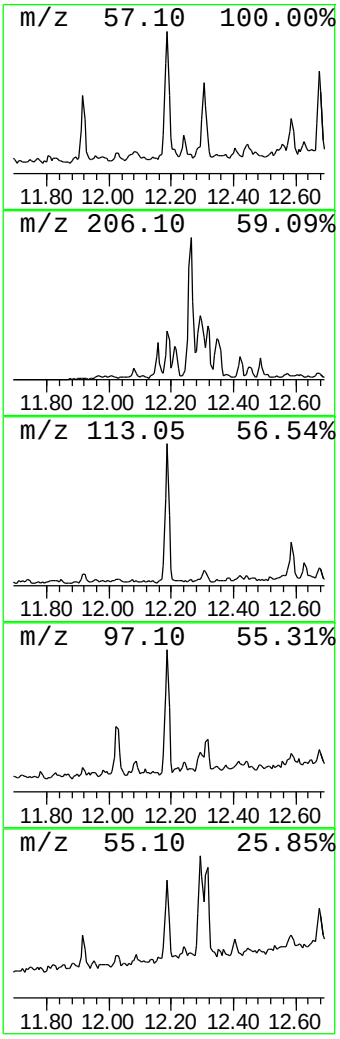
Peak Number 6 unknown12.19 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	3.12 ng	163291	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentanol, 3-methyl-2-propyl-	144	C9H20O	054004-40-9	25
2	2,4,4,6,6,8,8-Heptamethyl-1-nonene	224	C16H32	015796-04-0	16
3	Formic acid, 2,4,4-trimethylpent...	158	C9H18O2	1000368-95-2	14
4	Propanedioic acid, 2-propenyl-, ...	172	C8H12O4	040637-56-7	14
5	Cyclohexanecarboxylic acid, 2-et...	184	C10H16O3	113122-03-5	11





Library Search Compound Report

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Misc :
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ClientSampleId : OK-02-081920

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TIC Library : C:\DATABASE\NIST11.L
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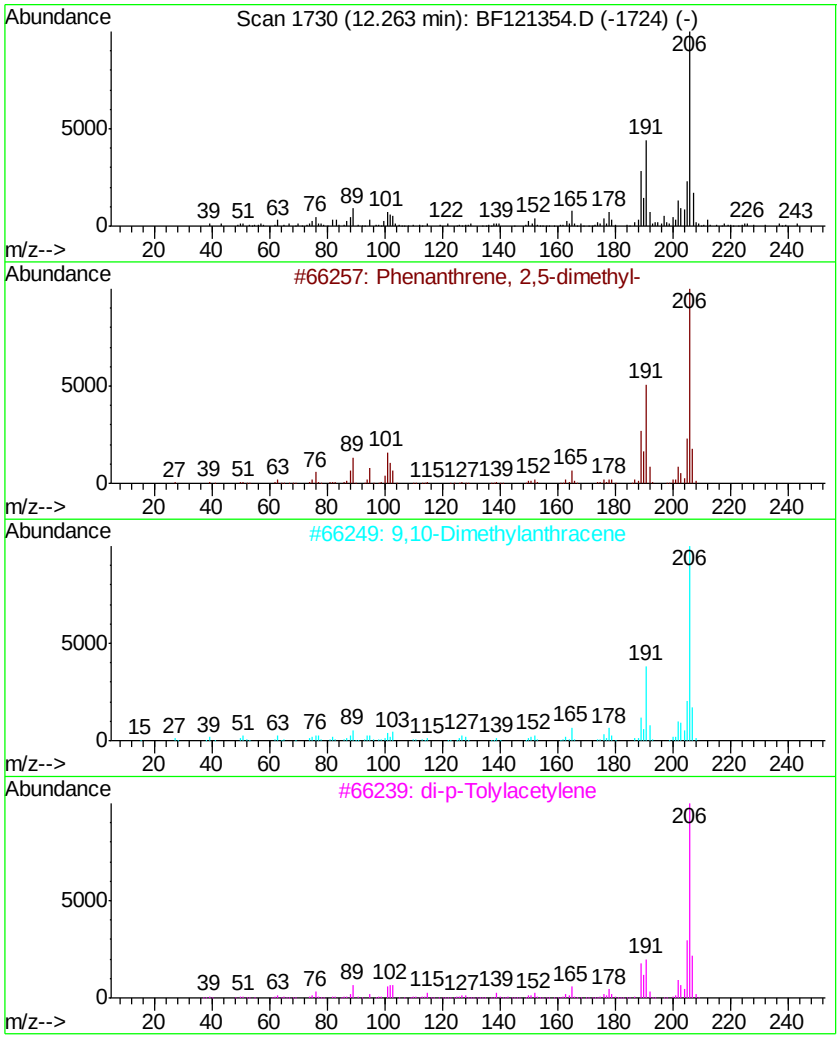
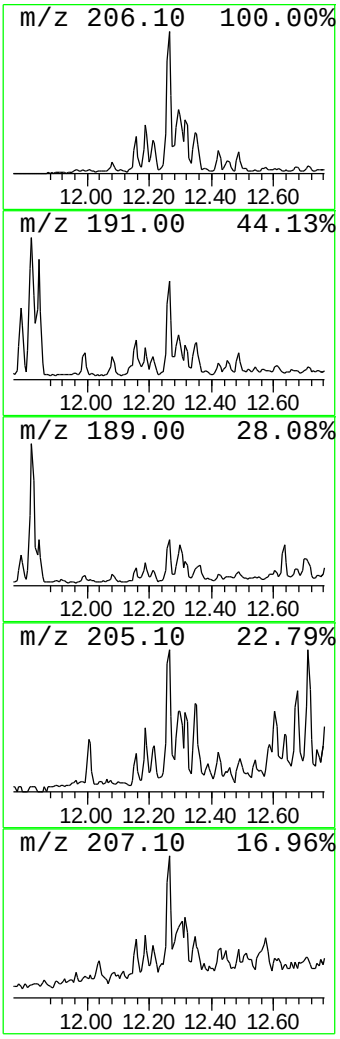
Peak Number 7 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	3.66 ng	191492	Phenanthrene-d10	11.21

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	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91





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Misc :
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Instrument : BNA_F
ClientSampleId : OK-02-081920

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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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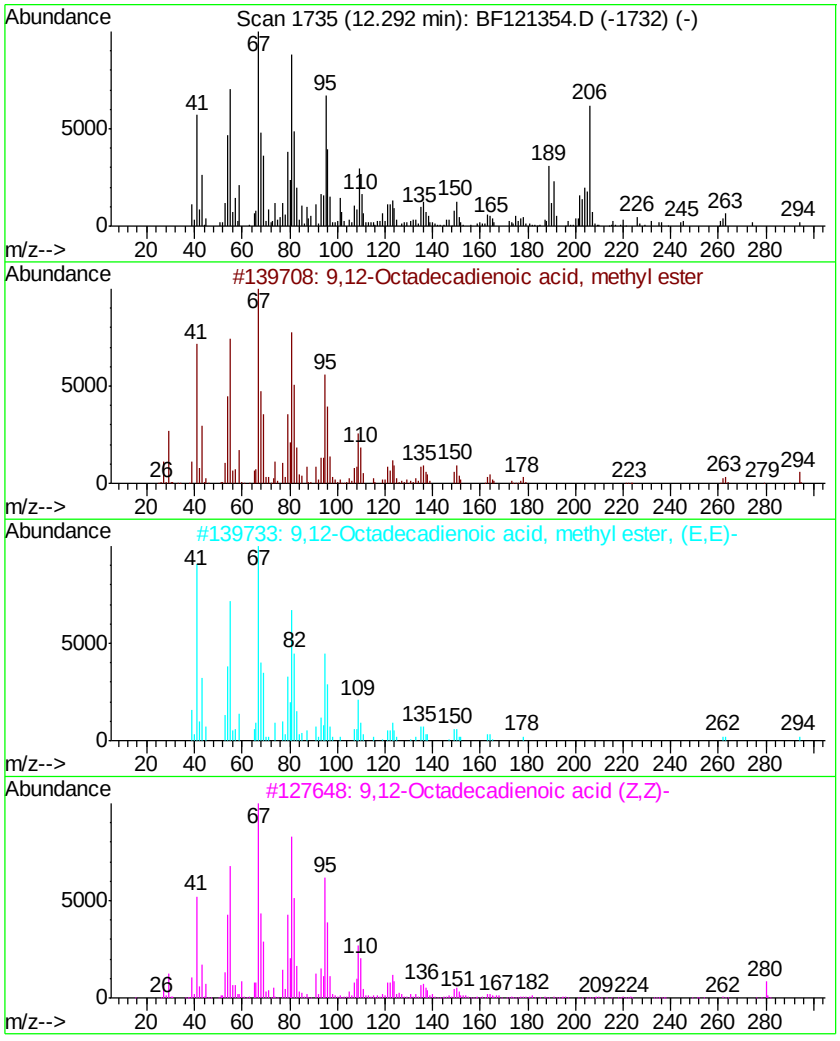
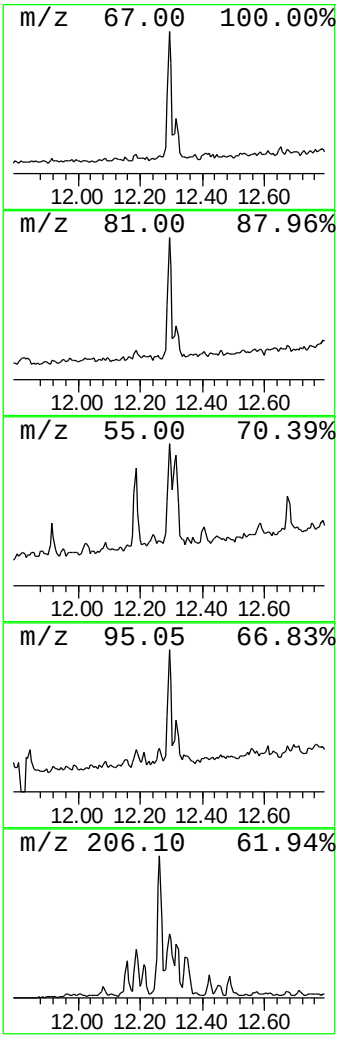
Peak Number 8 9,12-Octadecadienoic acid, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	6.63 ng	346758	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	98
2	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	97
3	9,12-Octadecadienoic acid (Z,Z)-	280	C18H32O2	000060-33-3	76
4	Methyl 5,12-octadecadienoate	294	C19H34O2	1000336-43-1	76
5	2-Chloroethyl linoleate	342	C20H35ClO2	025525-76-2	76





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Misc :
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ClientSampleId : OK-02-081920

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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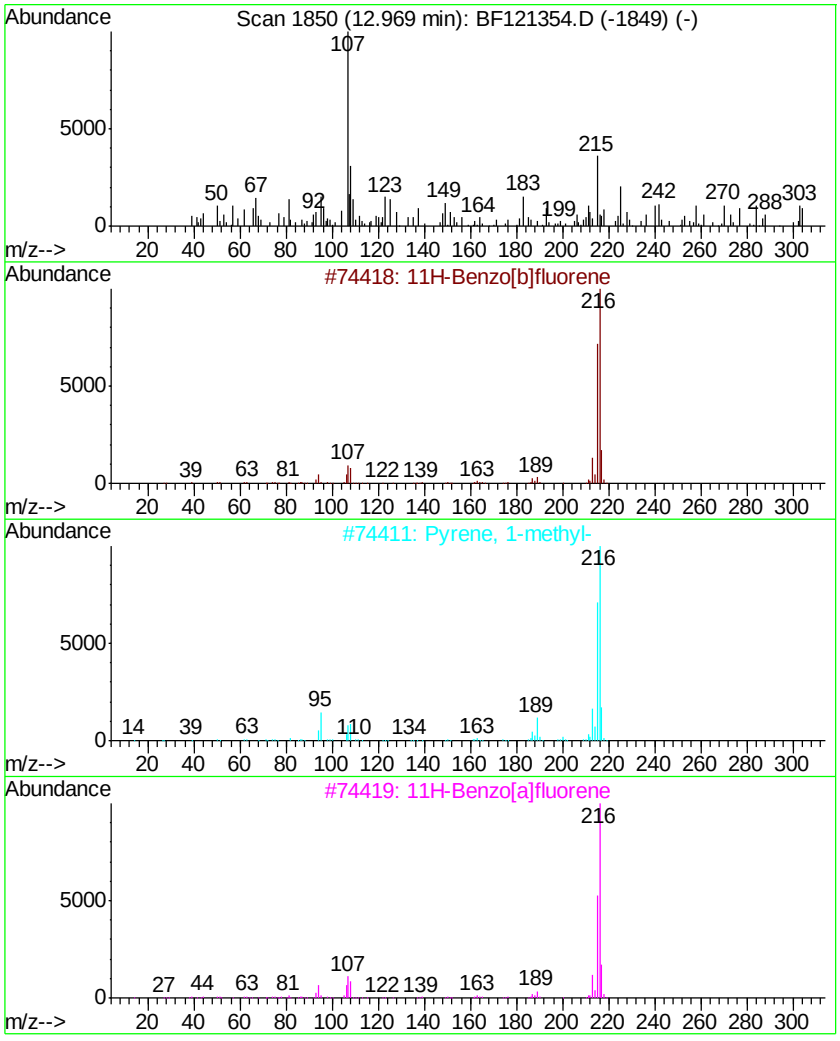
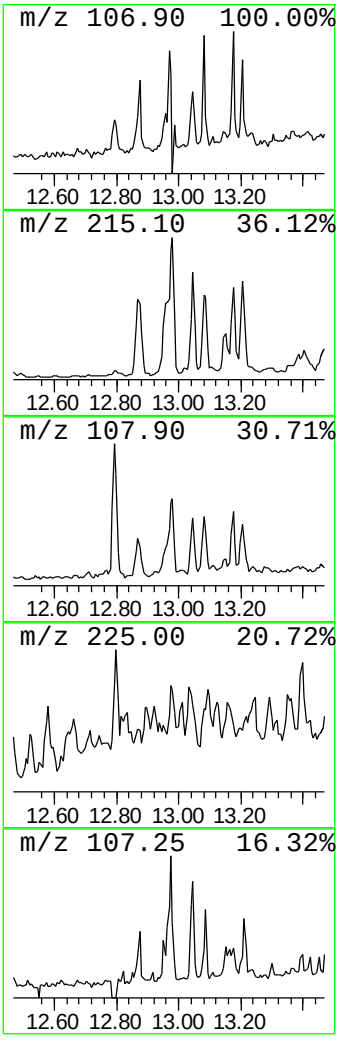
Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	2.24 ng	167291	Chrysene-d12	13.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	86
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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Operator : JU/CG
Sample : L3502-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-081920

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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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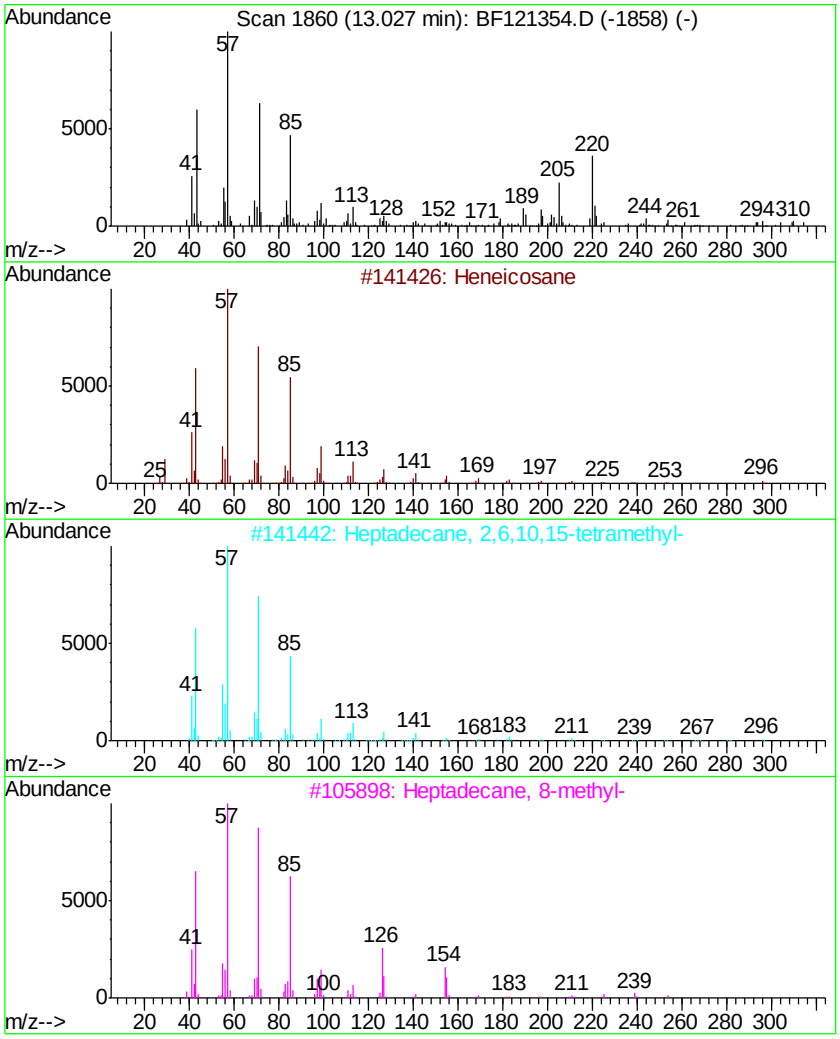
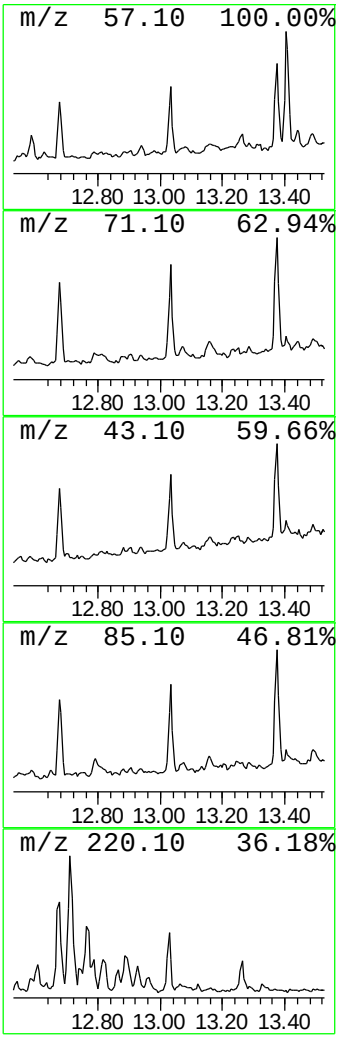
Peak Number 11 Heneicosane Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	2.44 ng	182102	Chrysene-d12	13.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	96
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	92
3	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	91
4	2-Bromo dodecane	248	C12H25Br	013187-99-0	90
5	Tetracosane	338	C24H50	000646-31-1	83





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Operator : JU/CG
Sample : L3502-11 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-081920

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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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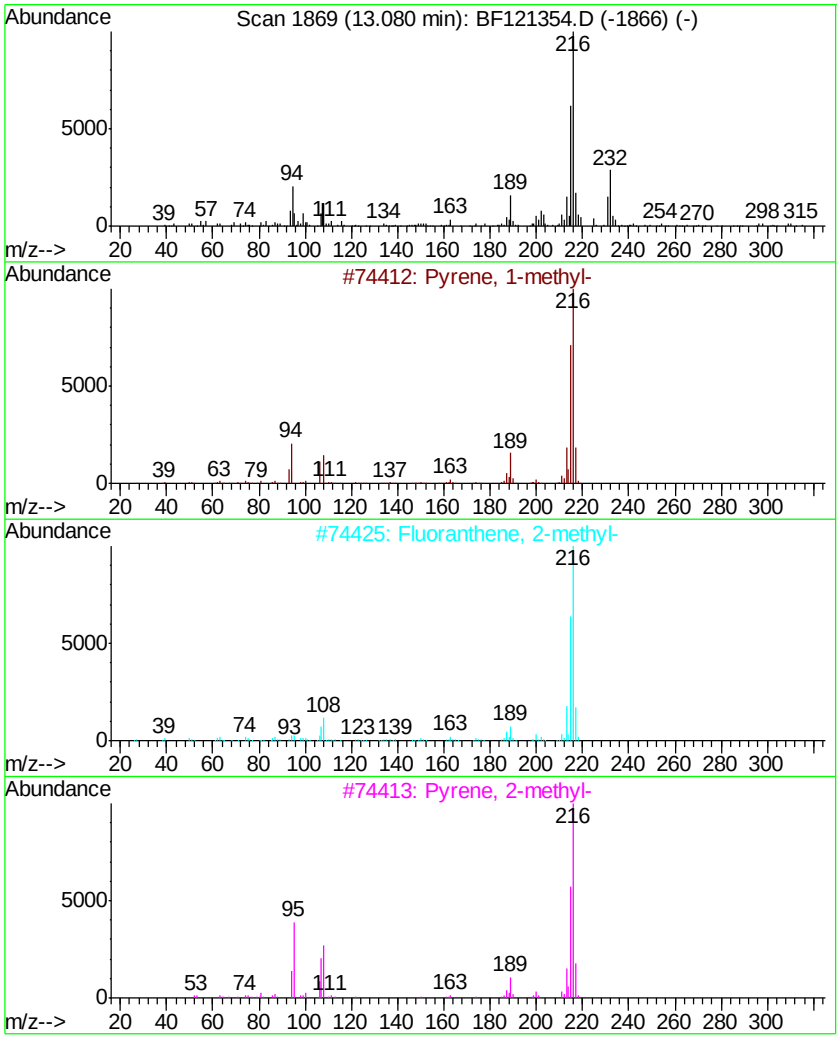
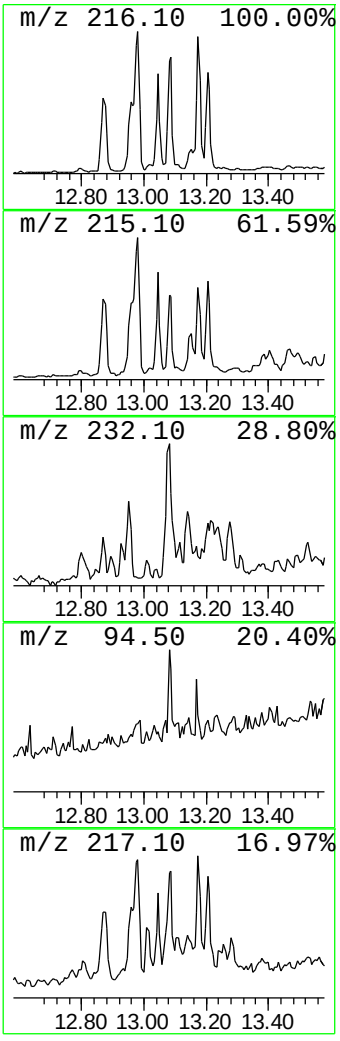
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	2.08 ng	154820	Chrysene-d12	13.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	64





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Misc :
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Instrument : BNA_F
ClientSampleId : OK-02-081920

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081920.M
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TIC Library : C:\DATABASE\NIST11.L
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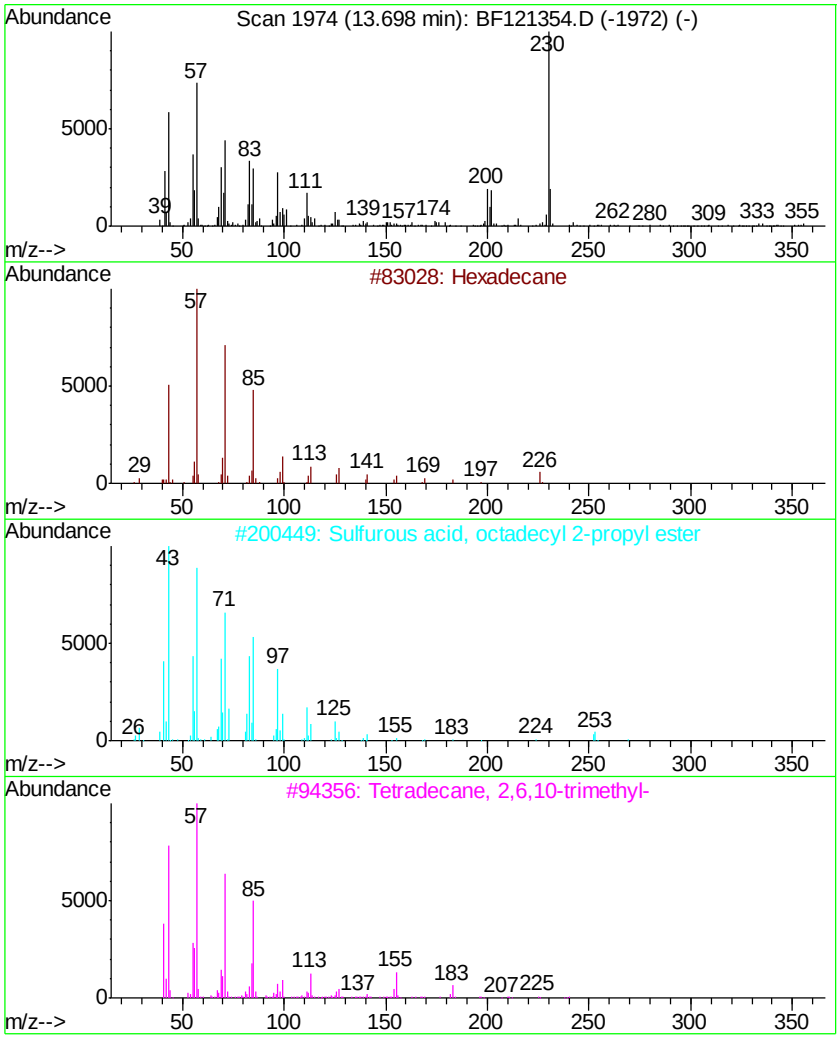
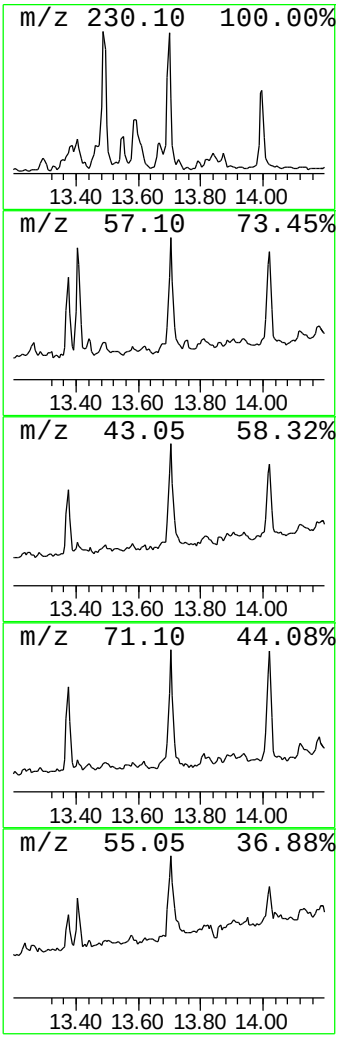
Peak Number 13 Hexadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.70	5.37 ng	400119	Chrysene-d12	13.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Sulfurous acid, octadecyl 2-prop...	376	C21H44O3S	1000309-12-7	81
3	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	64
4	Nonadecane	268	C19H40	000629-92-5	62
5	2- Chloropropionic acid, hexadec...	332	C19H37ClO2	086711-81-1	60





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Instrument : BNA_F
ClientSampleId : OK-02-081920

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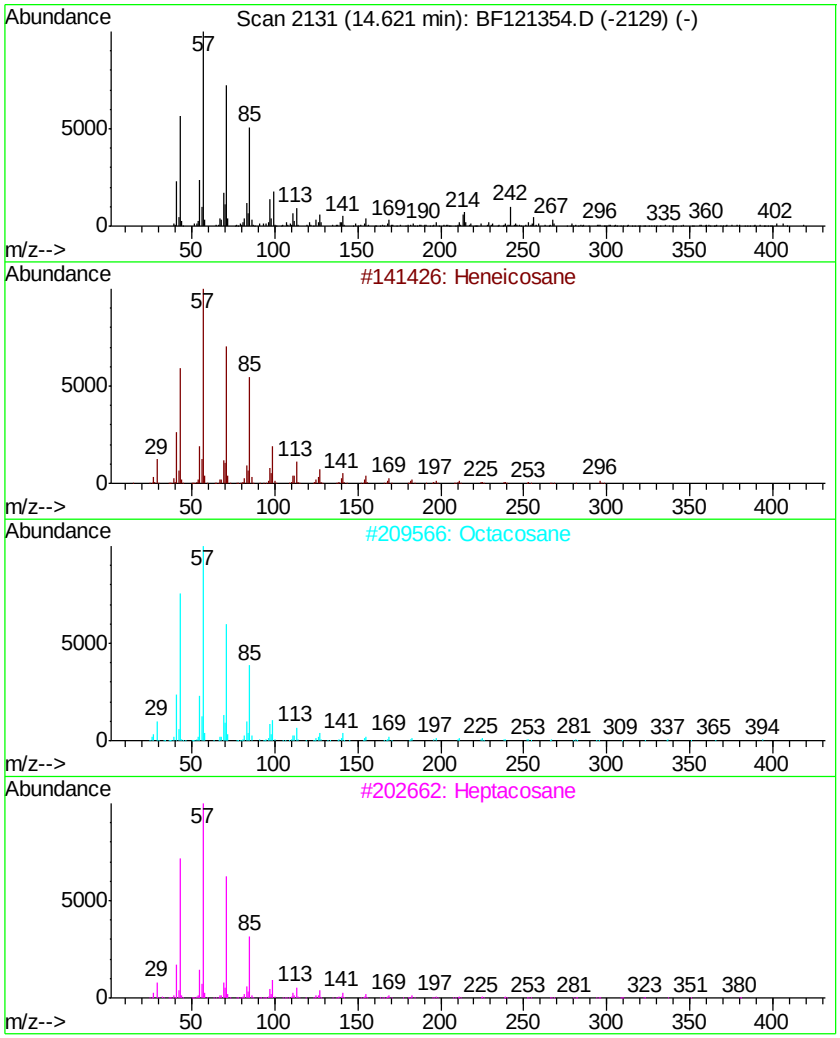
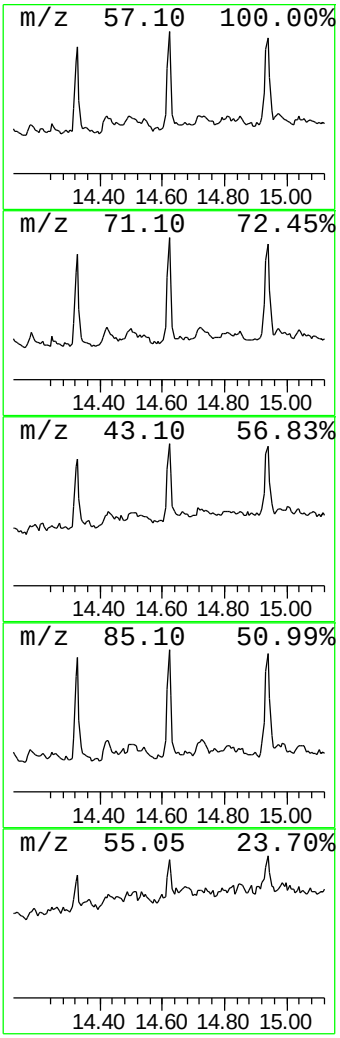
Peak Number 14 Octacosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.62	4.27 ng	167968	Perylene-d12	15.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	97
2	Octacosane	394	C28H58	000630-02-4	96
3	Heptacosane	380	C27H56	000593-49-7	93
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
5	Hexacosane	366	C26H54	000630-01-3	83





Library Search Compound Report

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ClientSampleId : OK-02-081920

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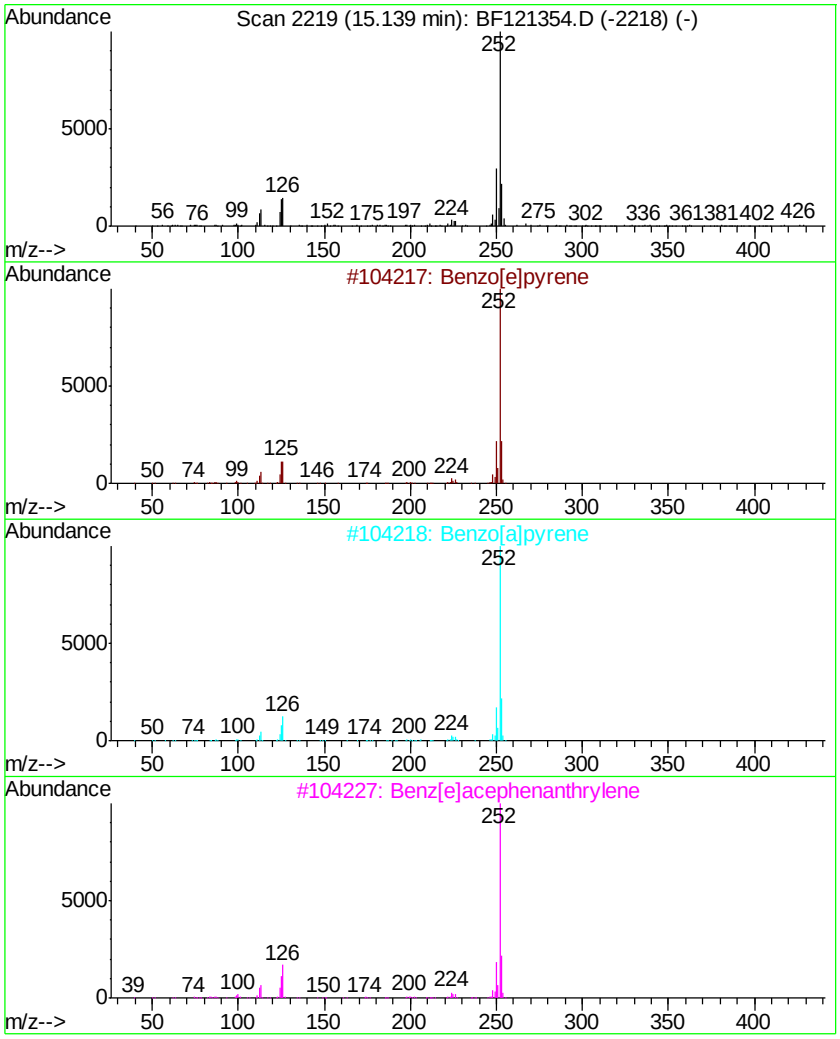
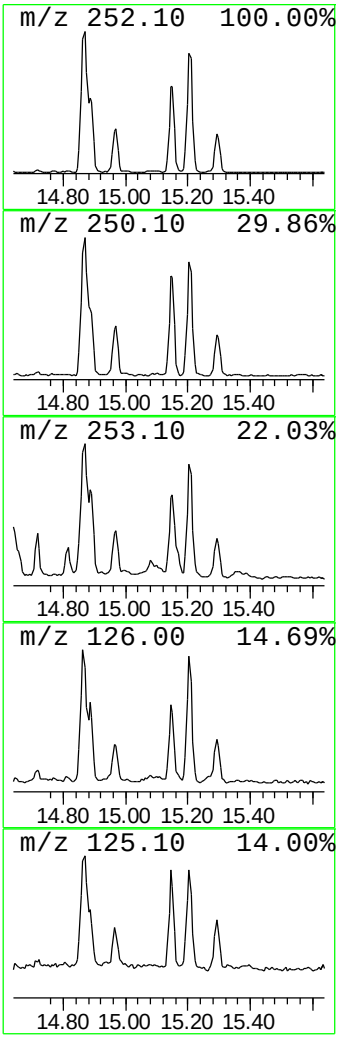
Peak Number 15 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	9.14 ng	359705	Perylene-d12	15.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	98
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	97
4	Perylene	252	C20H12	000198-55-0	97
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94





Tentatively Identified Compound (LSC) summary

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown10.64	10.64	2.8	ng	145550	4	11.21	1045650	20.0
Anthracene, 1-met...	11.71	2.4	ng	126367	4	11.21	1045650	20.0
Phenanthrene, 1-m...	11.74	2.6	ng	135996	4	11.21	1045650	20.0
4H-Cyclopenta[def...	11.82	3.8	ng	198988	4	11.21	1045650	20.0
Anthracene, 9-met...	11.85	2.1	ng	109302	4	11.21	1045650	20.0
unknown12.19	12.19	3.1	ng	163291	4	11.21	1045650	20.0
Phenanthrene, 2,5...	12.26	3.7	ng	191492	4	11.21	1045650	20.0
9,12-Octadecadien...	12.29	6.6	ng	346758	4	11.21	1045650	20.0
11H-Benzo[b]fluorene	12.97	2.2	ng	167291	5	13.85	1490770	20.0
Heneicosane	13.03	2.4	ng	182102	5	13.85	1490770	20.0
Pyrene, 1-methyl-	13.08	2.1	ng	154820	5	13.85	1490770	20.0
Hexadecane	13.70	5.4	ng	400119	5	13.85	1490770	20.0
Octacosane	14.62	4.3	ng	167968	6	15.27	786680	20.0
Benzo[e]pyrene	15.14	9.1	ng	359705	6	15.27	786680	20.0