LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121508.D
Acq On : 1 Sep 2020 21:13
Operator : JU/CG
Sample : L3506-11 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-083120

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-BF082720.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	5.463	570	574	582	rVB	898545	884891	5.76%	1.033%
2	6.475	742	746	754	rBV	1019712	918863	5.98%	1.073%
3	6.857	807	811	814	rBV	1874662	1563710	10.18%	1.826%
4	7.410	902	905	911	rVB	624462	580647	3.78%	0.678%
5	8.139	1024	1029	1031	rBV	2435858	2069398	13.47%	2.416%
6	8.163	1031	1033	1036	rVB	548140	417220	2.72%	0.487%
7	8.851	1148	1150	1154	rVB	298062	259679	1.69%	0.303%
8	8.951	1163	1167	1172	rBV2	263663	310309	2.02%	0.362%
9	9.216	1208	1212	1215	rBV	1660747	1239687	8.07%	1.448%
10	9.298	1223	1226	1228	rBV	214021	205077	1.33%	0.239%
11	9.480	1253	1257	1261	rVB2	213851	271392	1.77%	0.317%
12	9.557	1261	1270	1272	rBV	305392	365603	2.38%	0.427%
13	9.580	1272	1274	1276	rVV	216961	179239	1.17%	0.209%
14	9.610	1276	1279	1283	rVV2	268933	352583	2.30%	0.412%
15	9.675	1287	1290	1294	rVB2	171227	189150	1.23%	0.221%
16	9.757	1301	1304	1309	rVB	423295	350457	2.28%	0.409%
17	9.828	1314	1316	1321	rVB	307503	258442	1.68%	0.302%
18	9.898	1321	1328	1331	rBV	2706814	2314595	15.07%	2.703%
19	9.928	1331	1333	1337	rVB2	238398	225868	1.47%	0.264%
20	10.098	1359	1362	1367	rVB	365699	381546	2.48%	0.446%
21	10.139	1367	1369	1375	rBV3	114574	158022	1.03%	0.185%
22	10.327	1399	1401	1404	rVB	403144	323414	2.11%	0.378%
23	10.445	1417	1421	1427	rBV	600884	540599	3.52%	0.631%
24	10.551	1434	1439	1445	rBV	192459	272791	1.78%	0.319%
25	10.680	1457	1461	1466	rBV	755347	777095	5.06%	0.907%
26	10.804	1479	1482	1490	rBV	571945	657548	4.28%	0.768%
27	10.910	1497	1500	1503	rVB	281228	211732	1.38%	0.247%
28	10.992	1510	1514	1517	rBV2	169781	209770	1.37%	0.245%
29	11.186	1544	1547	1552	rVB	245720	228267	1.49%	0.267%
30	11.251	1556	1558	1561	rVV	486702	436202	2.84%	0.509%
31	11.280	1561	1563	1569	rVB2	419496	432306	2.81%	0.505%
32	11.386	1577	1581	1583	rBV	2344600	2034750	13.24%	2.376%
33	11.410	1583	1585	1589	rVV	3324903	2600354	16.93%	3.036%
34	11.463	1589	1594	1597	rVB	623967	581496	3.79%	0.679%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121508.D
Acq On : 1 Sep 2020 21:13
Operator : JU/CG
Sample : L3506-11 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-083120

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-BF082720.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.616	1614	1620	1622	rBV	268382	324296	2.11%	0.379%
36	11.680	1628	1631	1633	rBV	522762	421697	2.74%	0.492%
37	11.704	1633	1635	1644	rVB2	623922	615597	4.01%	0.719%
38	11.786	1644	1649	1652	rBV	8212104	7549763	49.14%	8.816%
39	11.886	1663	1666	1668	rBV	508980	397842	2.59%	0.465%
40	11.916	1668	1671	1674	rVB	933065	756952	4.93%	0.884%
41	11.998	1682	1685	1688	rBV	653540	680143	4.43%	0.794%
42	12.022	1688	1689	1693	rVB	365248	226248	1.47%	0.264%
43	12.092	1698	1701	1709	rVB2	375218	515710	3.36%	0.602%
44	12.186	1714	1717	1719	rVV	432247	397311	2.59%	0.464%
45	12.204	1719	1720	1724	rVB2	298511	253367	1.65%	0.296%
46	12.439	1757	1760	1762	rBV	388563	378478	2.46%	0.442%
47	12.480	1762	1767	1768	rVV2	9323367	11979299	77.98%	13.988%
48	12.504	1768	1771	1777	rVV	11748581	15362462	100.00%	17.939%
49	12.580	1780	1784	1786	rBV	4649815	4446759	28.95%	5.193%
50	12.604	1786	1788	1791	rVB	2872975	2179888	14.19%	2.545%
51	12.698	1801	1804	1806	rVB	175108	172702	1.12%	0.202%
52	12.833	1824	1827	1829	rVB	2091910	1712578	11.15%	2.000%
53	12.974	1848	1851	1854	rVV	1235221	992959	6.46%	1.159%
54	13.057	1860	1865	1867	rBV2	207453	343562	2.24%	0.401%
55	13.139	1875	1879	1880	rBV3	410713	407474	2.65%	0.476%
56	13.157	1880	1882	1886	rVB	467764	453802	2.95%	0.530%
57	13.227	1888	1894	1897	rBV2	715518	942708	6.14%	1.101%
58	13.263	1897	1900	1903	rVB2	251514	211467	1.38%	0.247%
59	13.304	1904	1907	1909	rBV	435635	371410	2.42%	0.434%
60	13.357	1914	1916	1919	rBV	143906	193691	1.26%	0.226%
61	13.551	1947	1949	1952	rBV3	178743	157237	1.02%	0.184%
62	13.663	1966	1968	1973	rVB	230081	231588	1.51%	0.270%
63	13.710	1973	1976	1978	rBV2	261482	327063	2.13%	0.382%
64	13.774	1984	1987	1990	rBV2	203900	263847	1.72%	0.308%
65	13.880	2001	2005	2010	rVB2	420889	516187	3.36%	0.603%
66	13.974	2018	2021	2023	rVB	265589	238638	1.55%	0.279%
67	14.027	2025	2030	2033	rVV2	2401558	3139478	20.44%	3.666%
68	14.057	2033	2035	2042	rVB	1095211	935522	6.09%	1.092%
69	14.415	2094	2096	2099	rVB	245559	199351	1.30%	0.233%
70	15.074	2204	2208	2211	rBV2	829762	1248452	8.13%	1.458%
71	15.380	2256	2260	2266	rVB	483254	674694	4.39%	0.788%

LSC Area Percent Report

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Acq On : 1 Sep 2020 21:13
Operator : JU/CG
Sample : L3506-11 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-083120

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-BF082720.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.439	2267	2270	2277	rVB	666210	760467	4.95%	0.888%
73	15.504	2277	2281	2285	rBV	1391260	1853565	12.07%	2.164%

Sum of corrected areas: 85636956

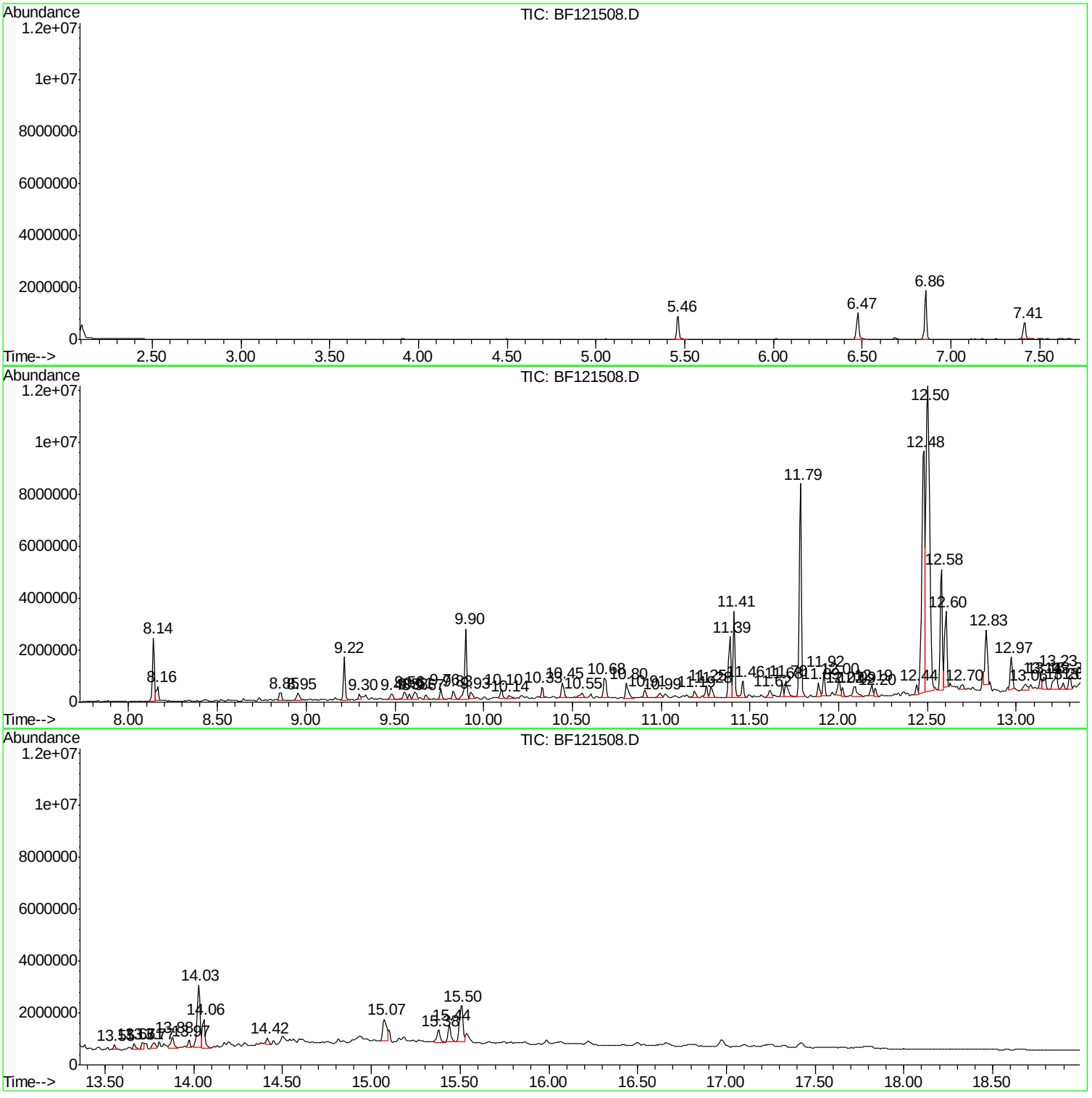
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121508.D
Acq On : 1 Sep 2020 21:13
Operator : JU/CG
Sample : L3506-11 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-083120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.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\BF090120\
Data File : BF121508.D
Acq On : 1 Sep 2020 21:13
Operator : JU/CG
Sample : L3506-11 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-083120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.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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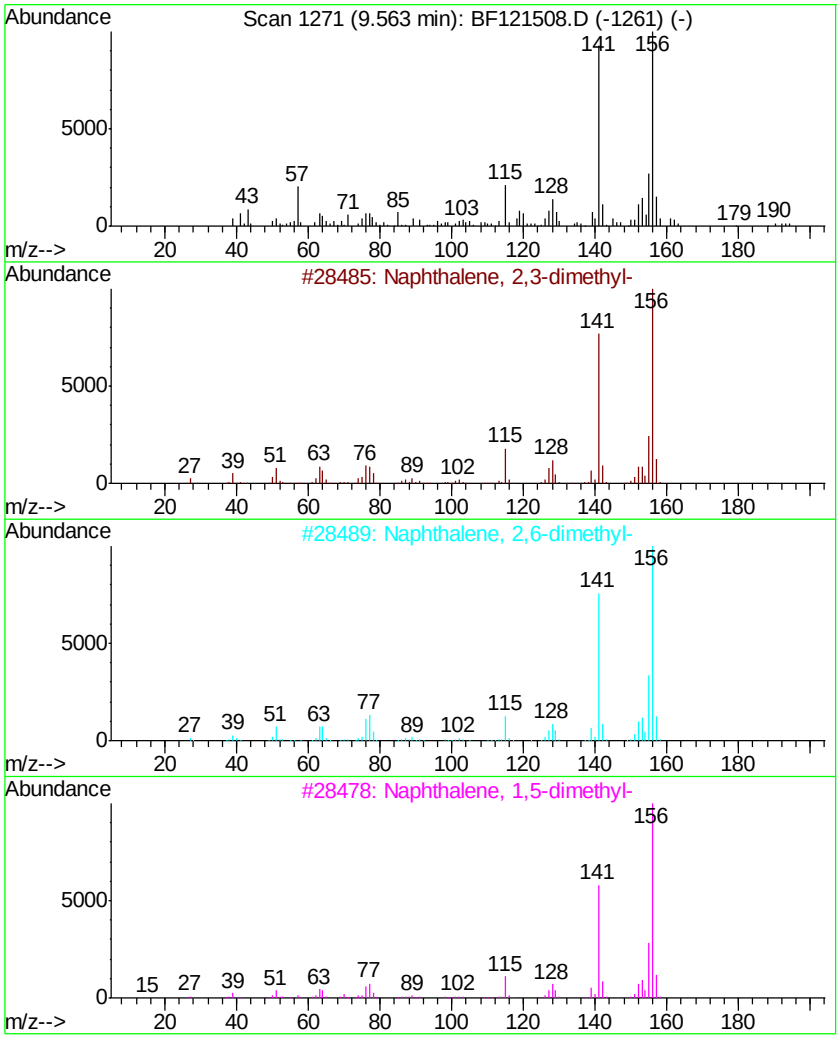
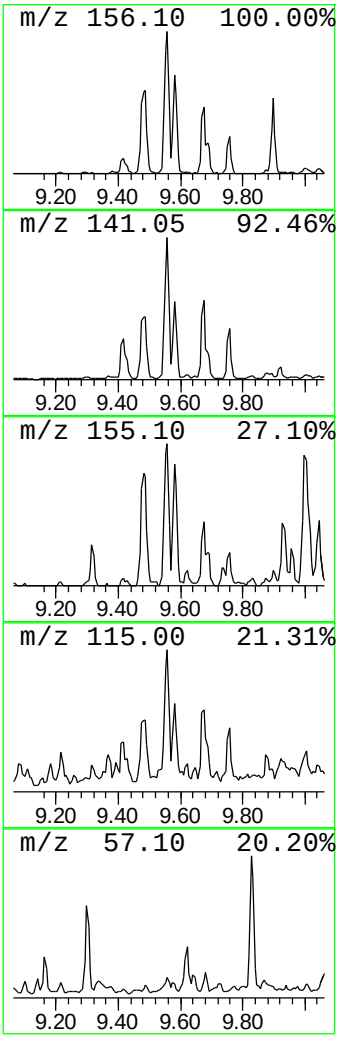
Peak Number 1 Naphthalene, 2,3-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.56	3.16 ng	365603	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121508.D
Acq On : 1 Sep 2020 21:13
Operator : JU/CG
Sample : L3506-11 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-083120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

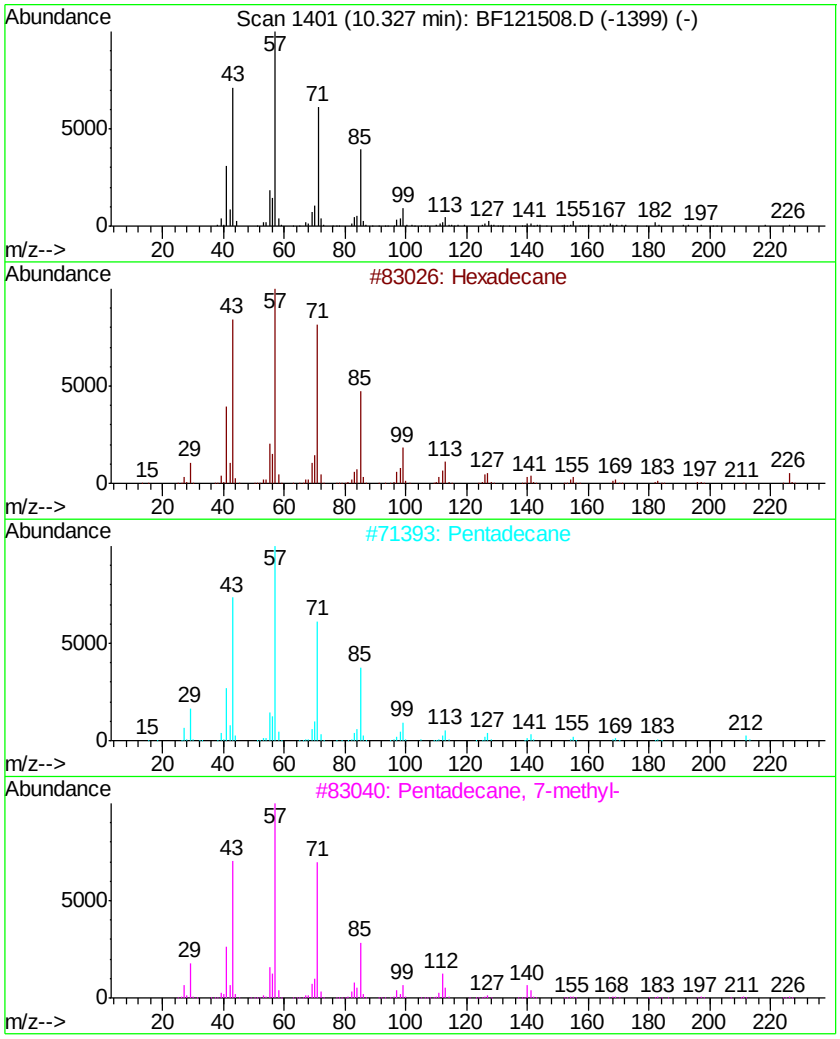
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

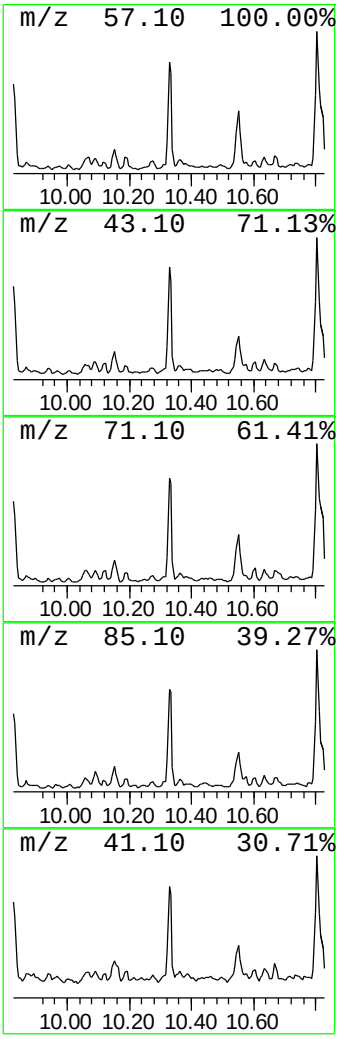
****

Peak Number 2 Hexadecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.33	2.79 ng	323414	Acenaphthene-d10	9.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	94
2	Pentadecane	212	C15H32	000629-62-9	90
3	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	87
4	Heneicosane	296	C21H44	000629-94-7	83
5	Heptadecane	240	C17H36	000629-78-7	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121508.D
Acq On : 1 Sep 2020 21:13
Operator : JU/CG
Sample : L3506-11 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-083120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.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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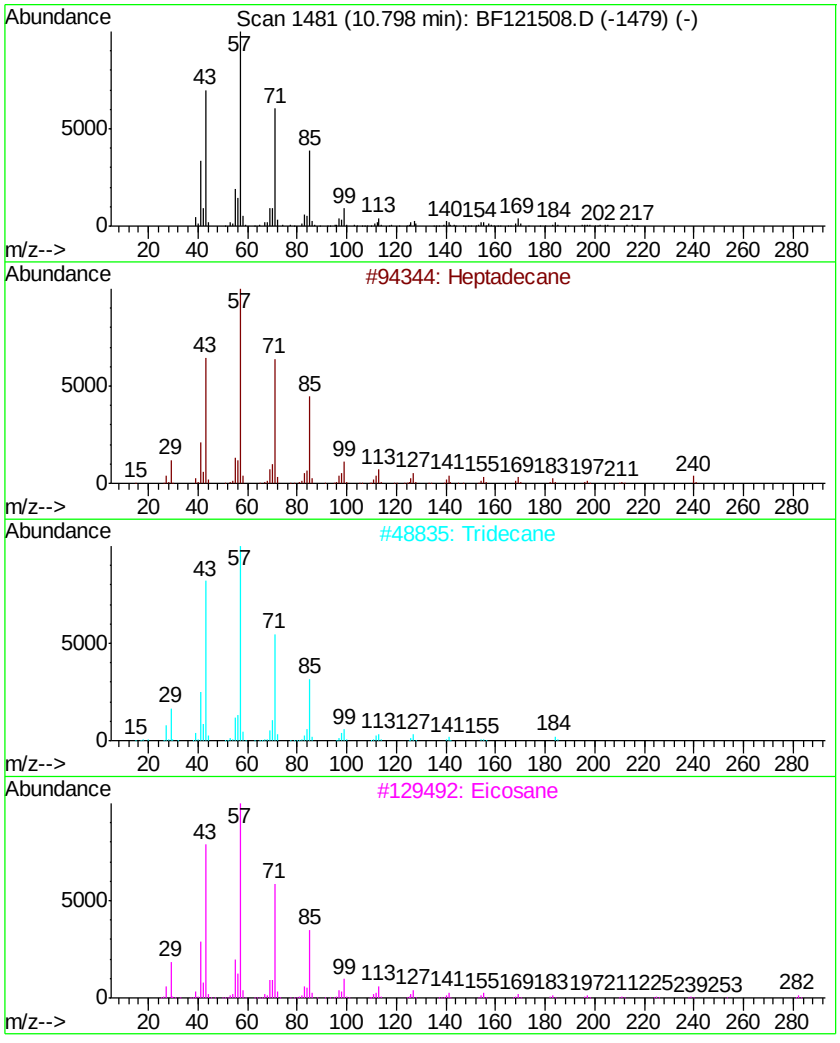
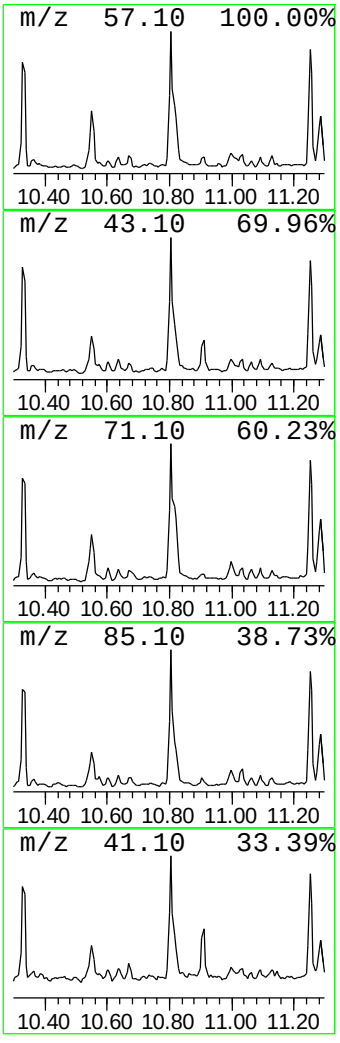
Peak Number 3 Heptadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	6.46 ng	657548	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	96
2	Tridecane	184	C13H28	000629-50-5	91
3	Eicosane	282	C20H42	000112-95-8	83
4	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	80
5	Heneicosane	296	C21H44	000629-94-7	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121508.D
Acq On : 1 Sep 2020 21:13
Operator : JU/CG
Sample : L3506-11 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-083120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

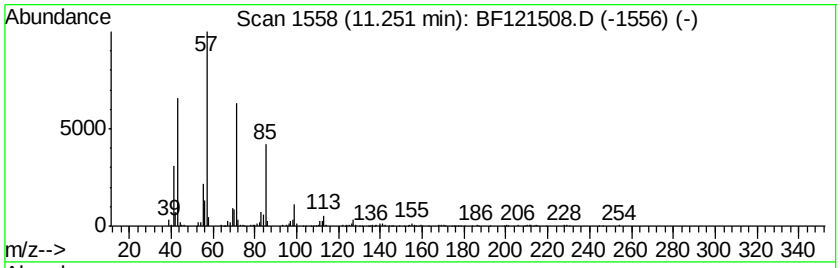
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

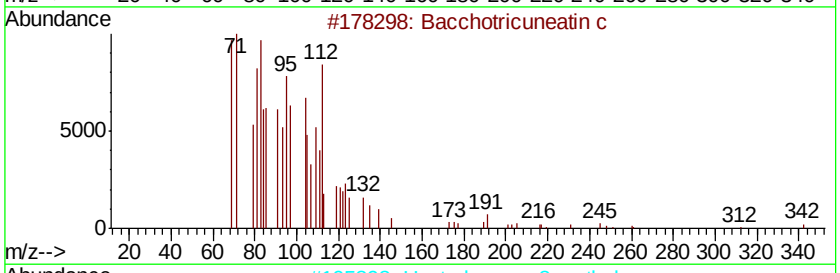
****

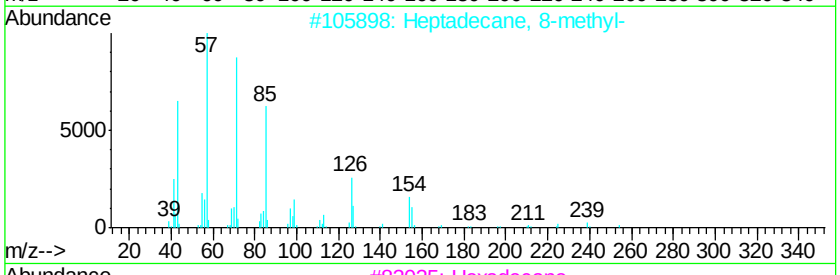
Peak Number 4 Bacchotricuneatin c Concentration Rank 11

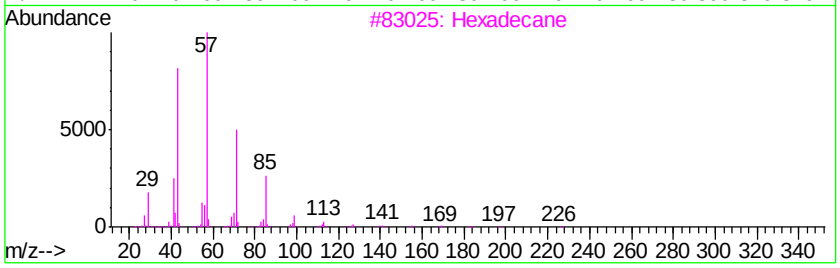
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.25	4.29 ng	436202	Phenanthrene-d10	11.39

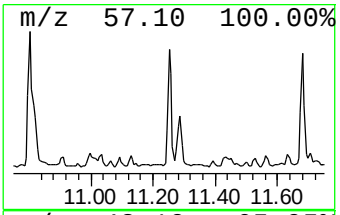
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bacchotricuneatin c	342	C20H22O5	066563-30-2	97
2	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	90
3	Hexadecane	226	C16H34	000544-76-3	90
4	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	90
5	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	90

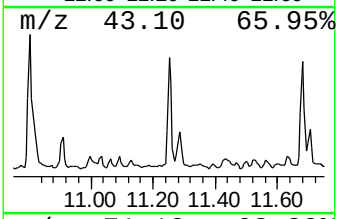


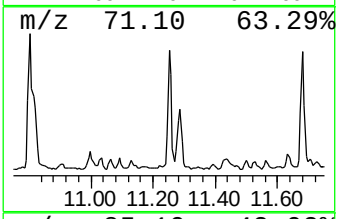


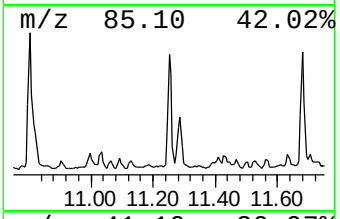


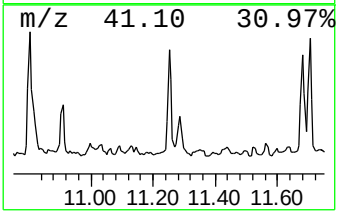












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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-083120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

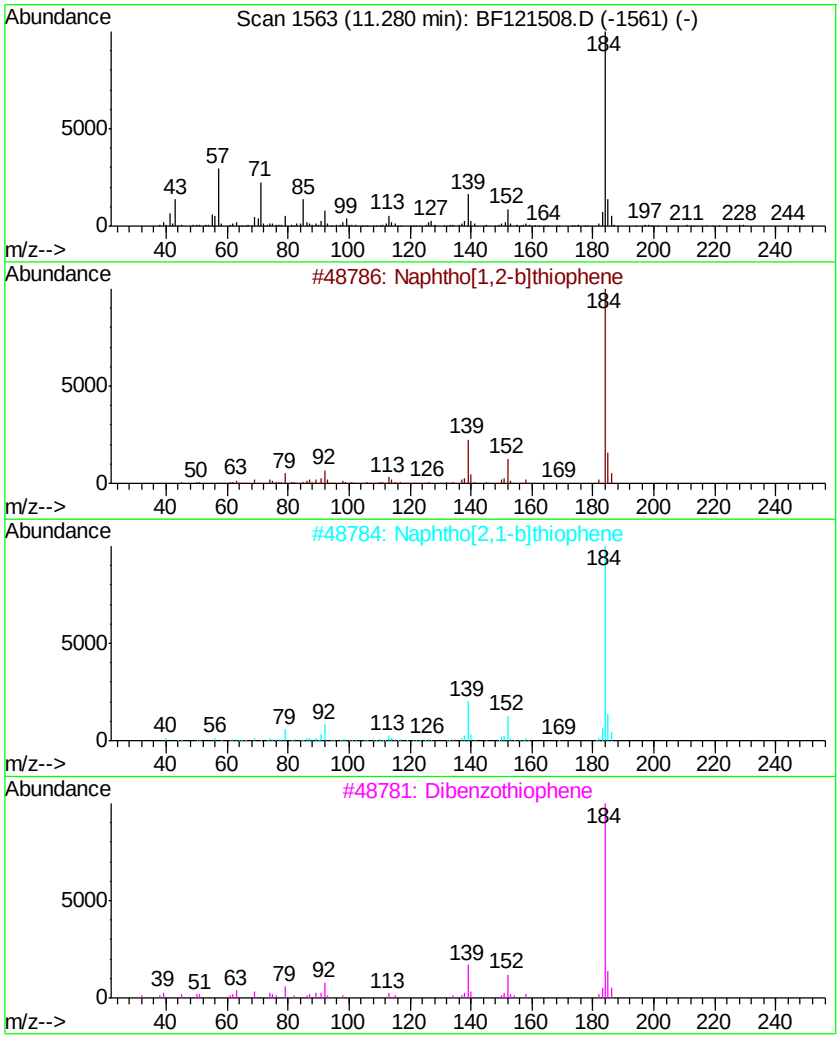
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

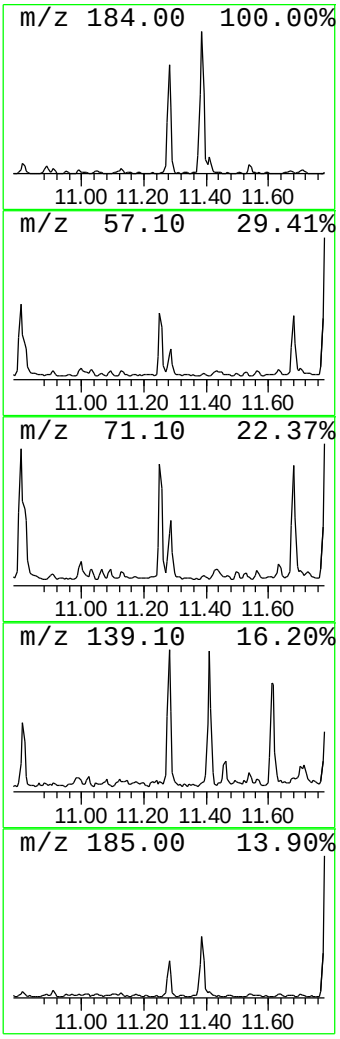
****

Peak Number 5 Naphtho[1,2-b]thiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.28	4.25 ng	432306	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	89
3	Dibenzothiophene	184	C12H8S	000132-65-0	89
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	76
5	Thianthrene, 5-oxide	232	C12H8OS2	002362-50-7	59





Library Search Compound Report

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Data File : BF121508.D
Acq On : 1 Sep 2020 21:13
Operator : JU/CG
Sample : L3506-11 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-083120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

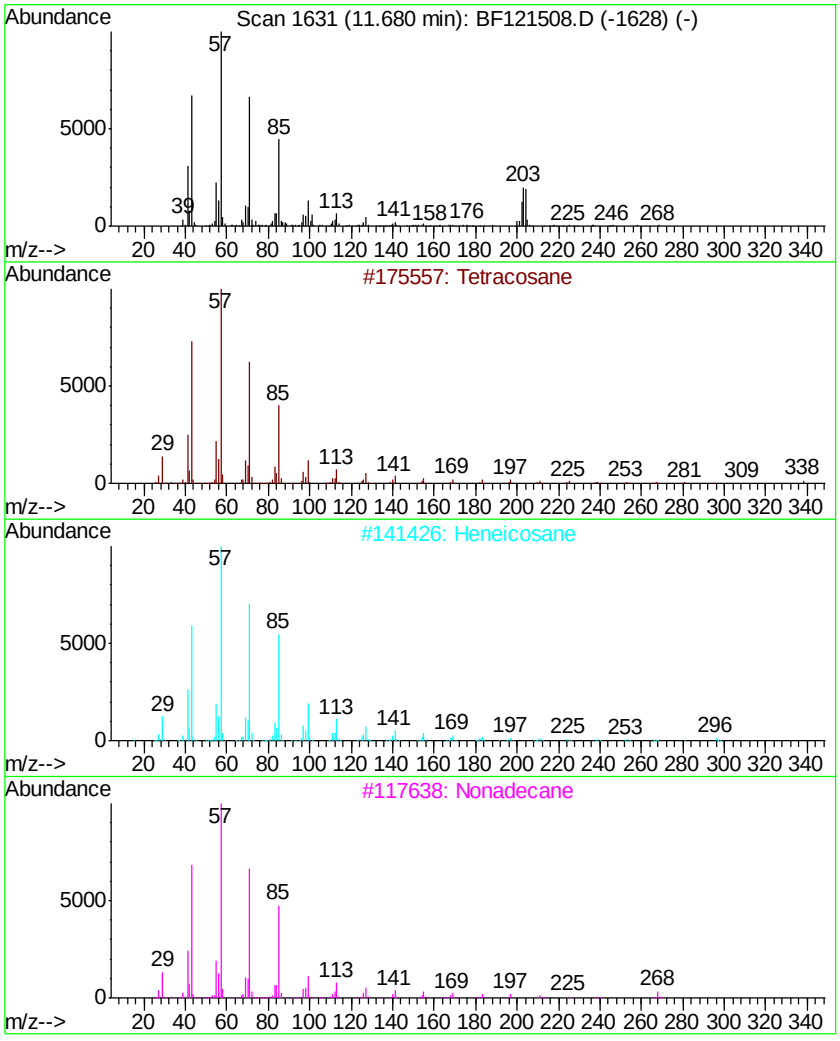
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

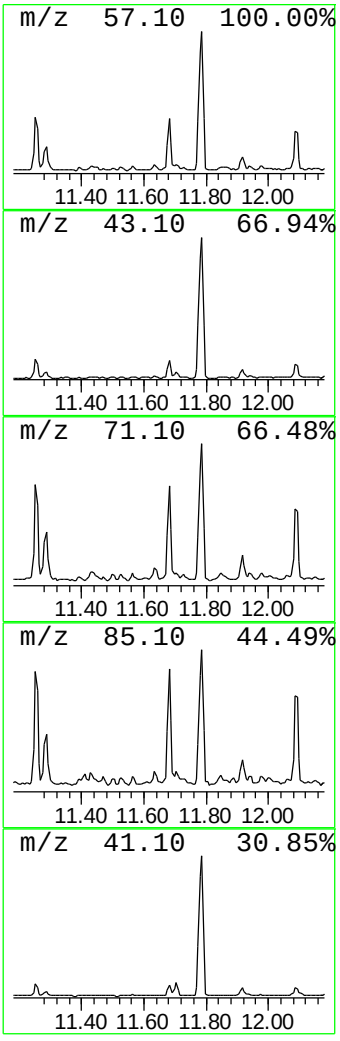
****

Peak Number 6 Tetracosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.68	4.14 ng	421697	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	62
2	Heneicosane	296	C21H44	000629-94-7	58
3	Nonadecane	268	C19H40	000629-92-5	58
4	Heptacosane	380	C27H56	000593-49-7	58
5	Hexadecane	226	C16H34	000544-76-3	58





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Operator : JU/CG
Sample : L3506-11 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-083120

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

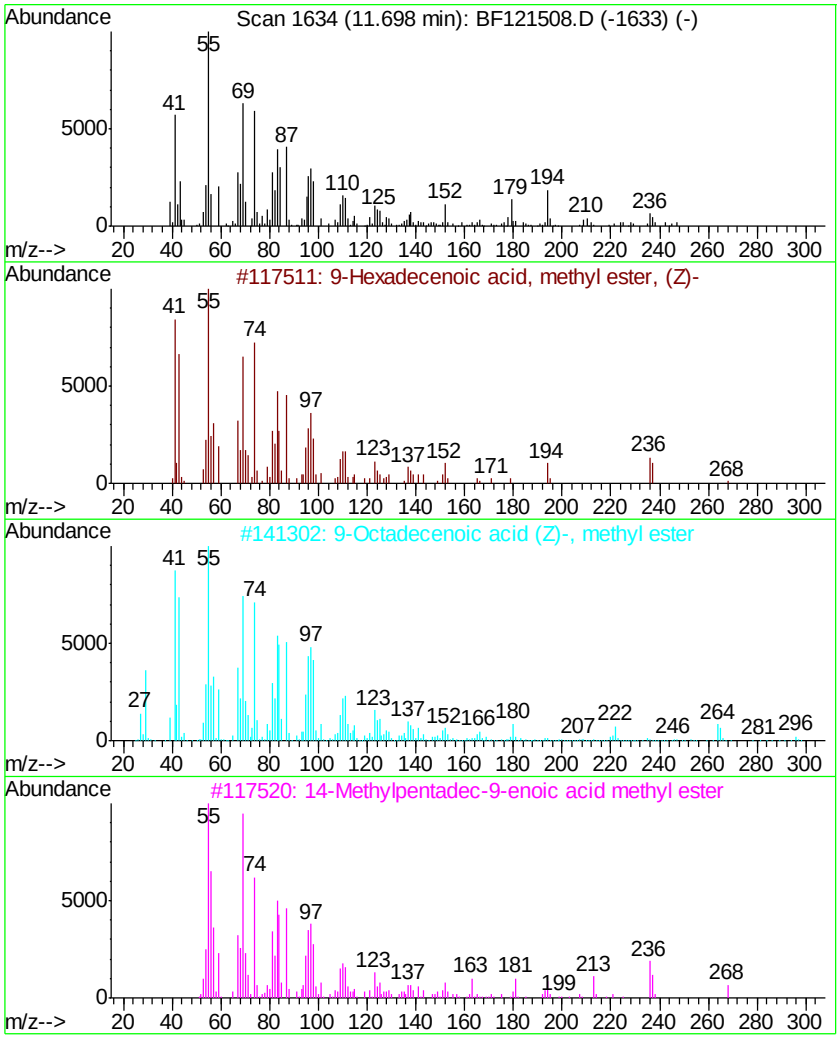
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

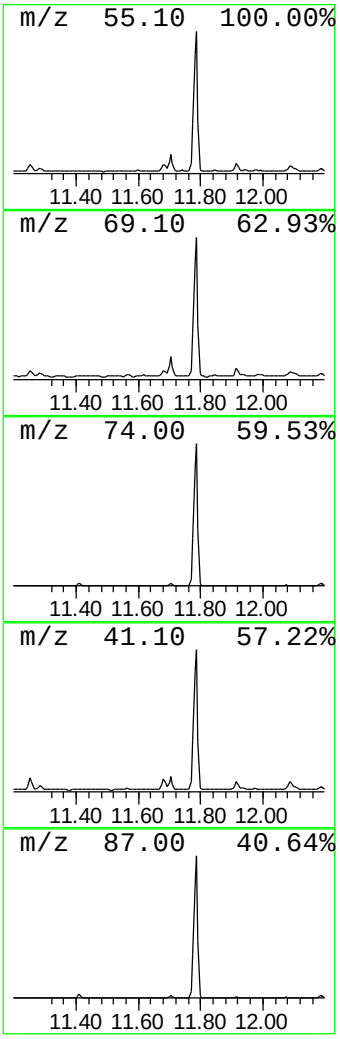
****

Peak Number 7 9-Hexadecenoic acid, methyl... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	6.05 ng	615597	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Hexadecenoic acid, methyl este...	268	C17H32O2	001120-25-8	99
2	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	93
3	14-Methylpentadec-9-enoic acid m...	268	C17H32O2	1000365-89-7	91
4	Methyl hexadec-9-enoate	268	C17H32O2	010030-74-7	91
5	Cyclopropaneoctanoic acid, 2-hex...	282	C18H34O2	010152-61-1	87





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Sample : L3506-11 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-083120

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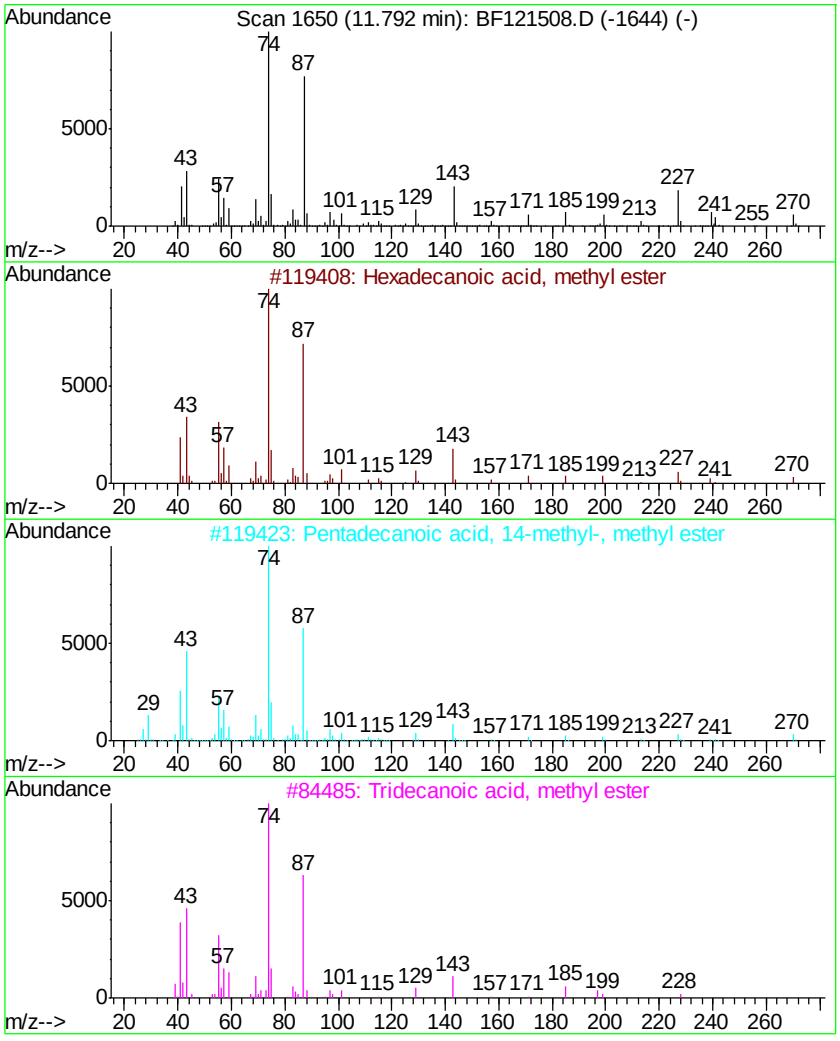
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

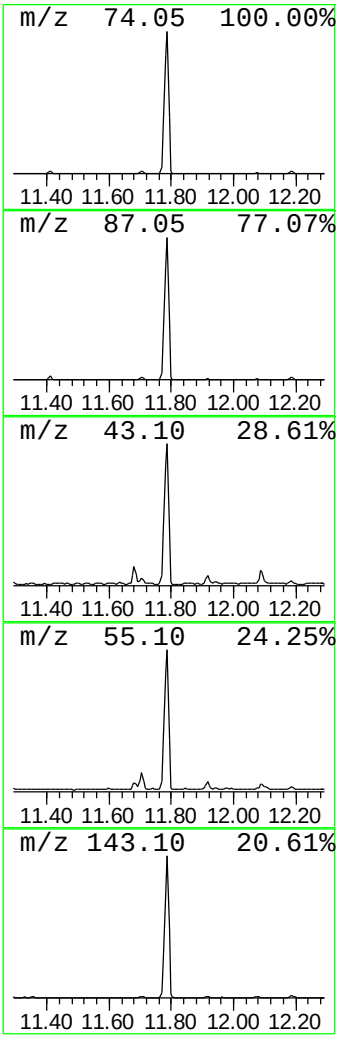
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Hexadecanoic acid, methyl e... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	74.21 ng	7549760	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	95
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	90
4	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	90
5	Methyl tetradecanoate	242	C15H30O2	000124-10-7	83





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Operator : JU/CG
Sample : L3506-11 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-083120

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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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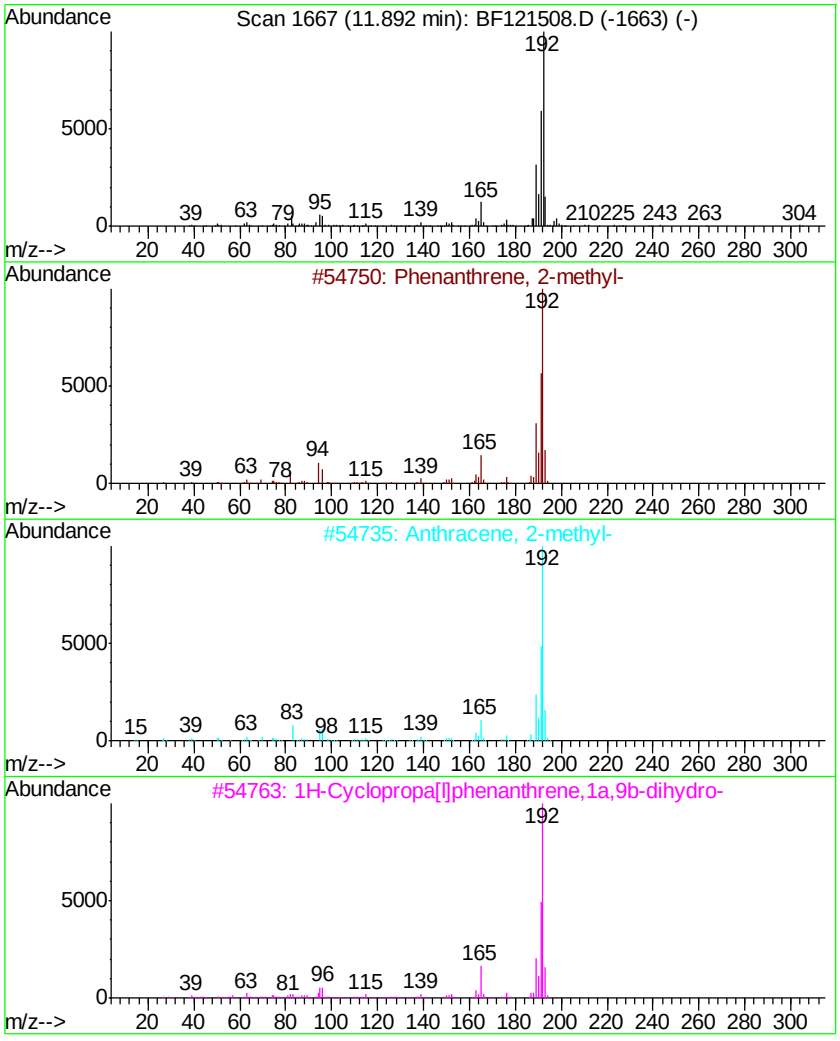
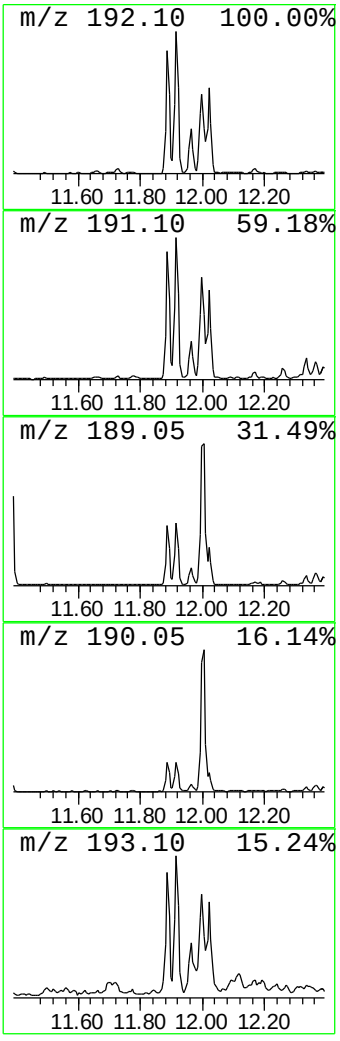
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	3.91 ng	397842	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Operator : JU/CG
Sample : L3506-11 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-083120

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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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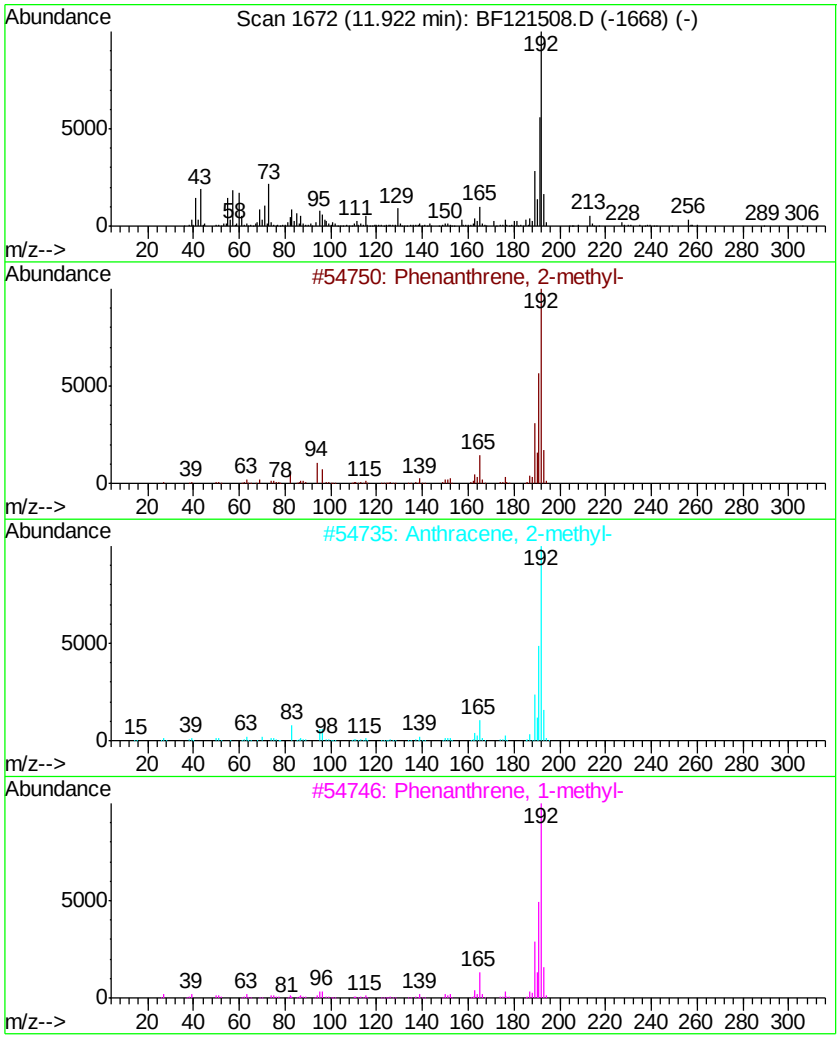
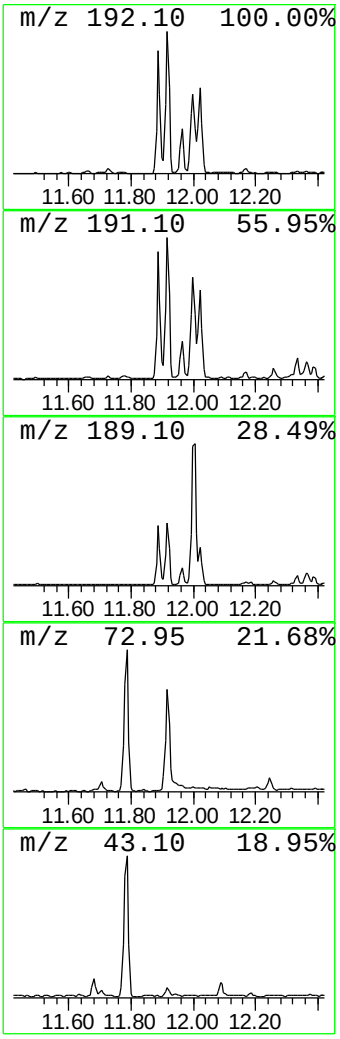
Peak Number 10 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	7.44 ng	756952	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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Sample : L3506-11 5X
Misc :
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Instrument : BNA_F
ClientSampleId : OR-02-083120

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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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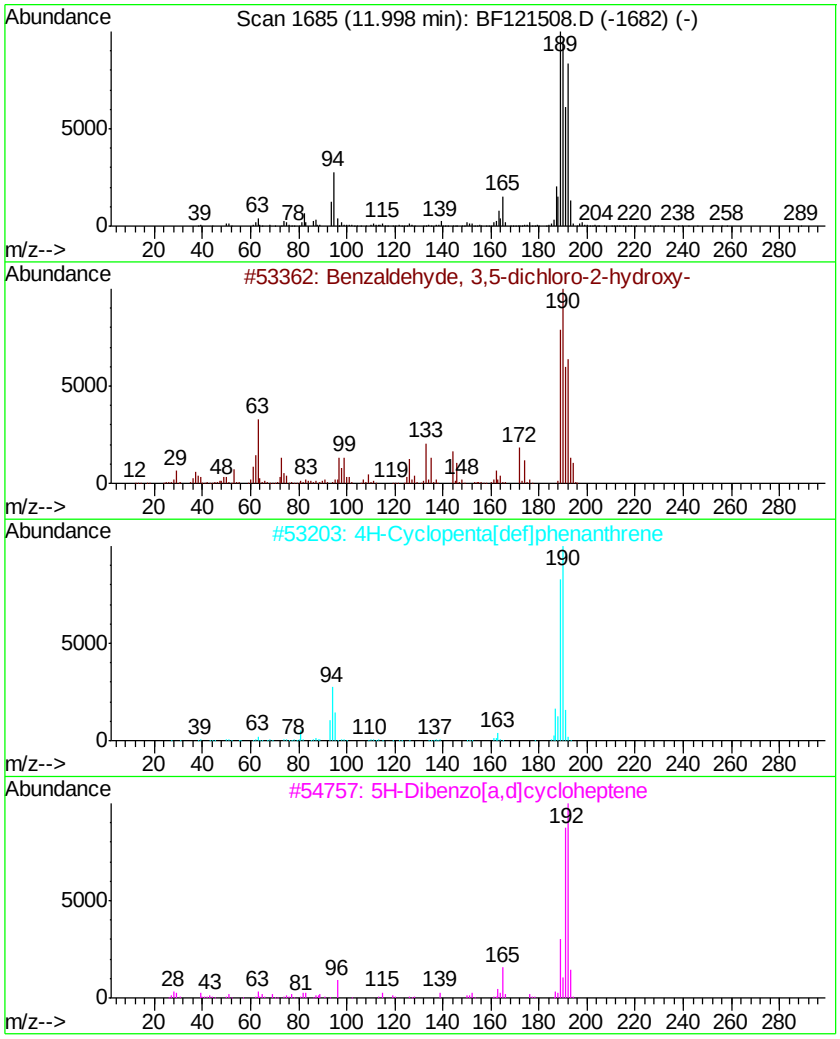
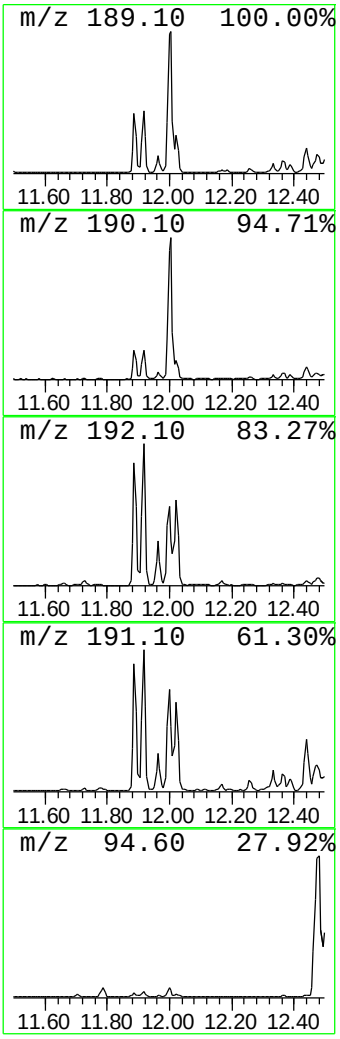
Peak Number 11 Benzaldehyde, 3,5-dichloro-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	6.69 ng	680143	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	38
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38





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Operator : JU/CG
Sample : L3506-11 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-083120

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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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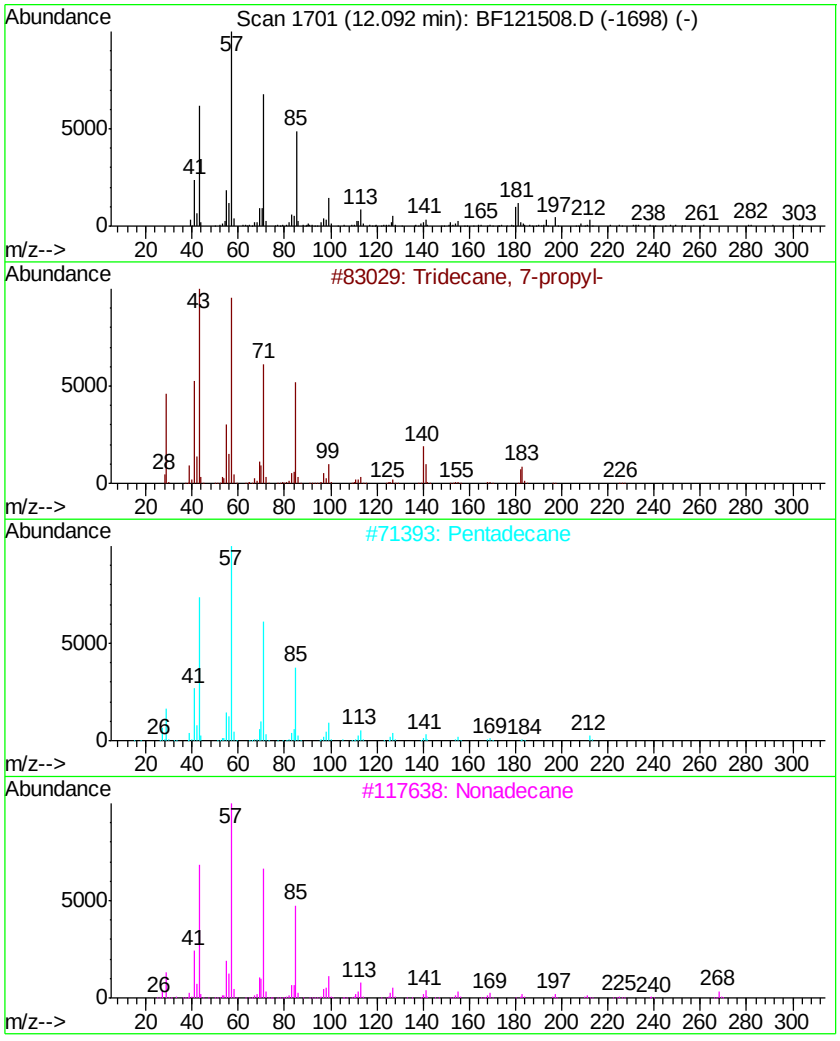
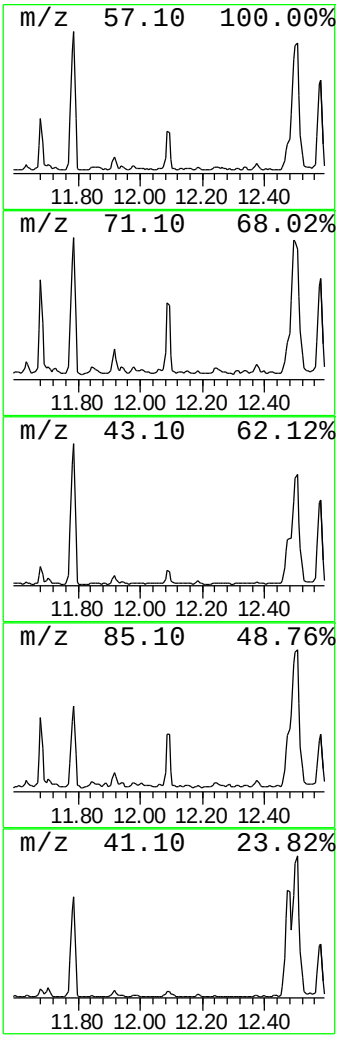
Peak Number 12 Tridecane, 7-propyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	5.07 ng	515710	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 7-propyl-	226	C16H34	055045-09-5	89
2	Pentadecane	212	C15H32	000629-62-9	78
3	Nonadecane	268	C19H40	000629-92-5	68
4	Tridecane, 6-propyl-	226	C16H34	055045-10-8	68
5	Hexadecane	226	C16H34	000544-76-3	68





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Sample : L3506-11 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-083120

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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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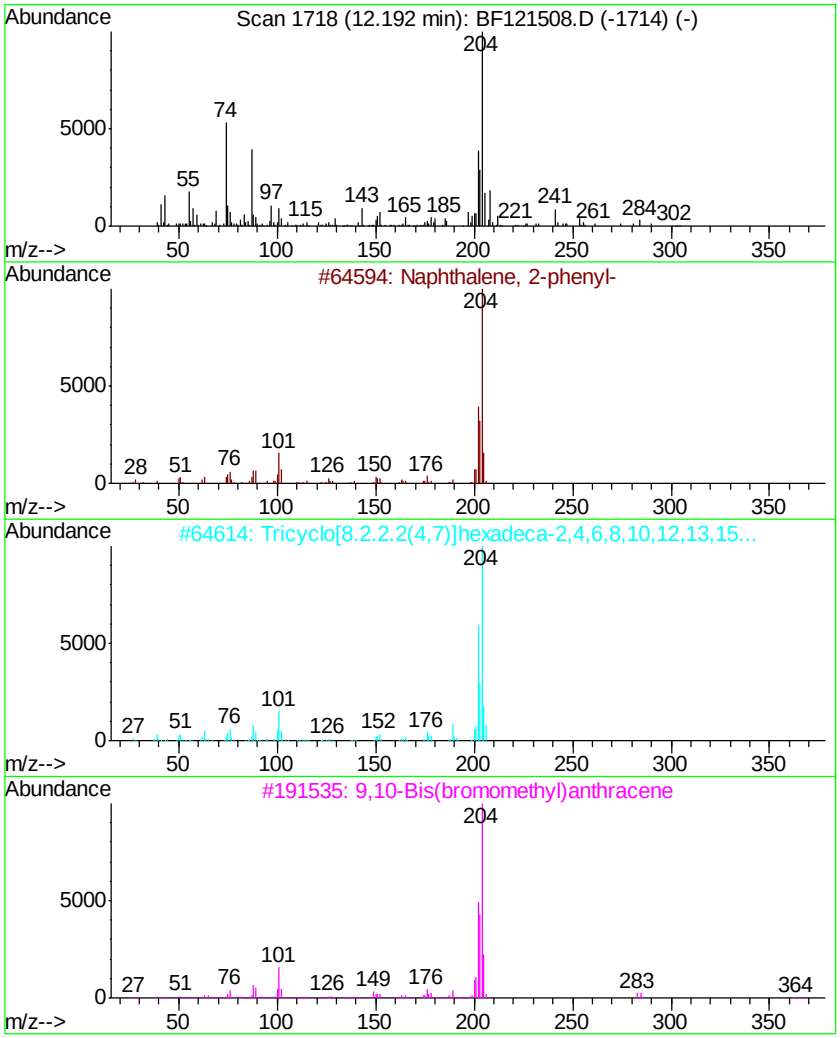
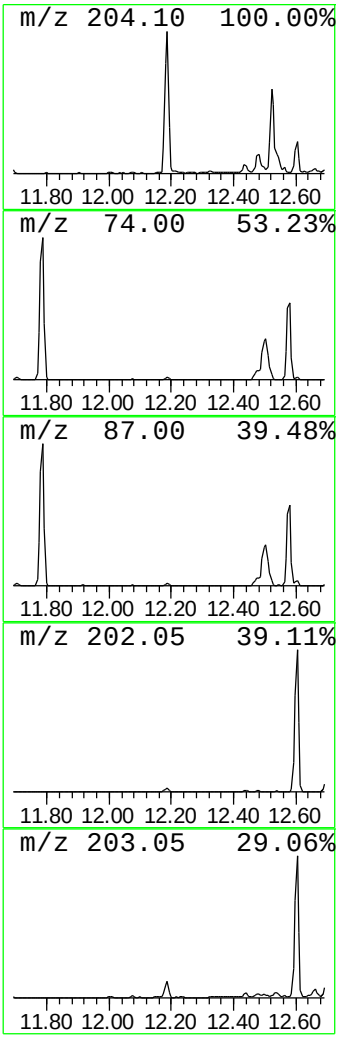
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	3.91 ng	397311	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	49
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	46
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	38
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	38





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Sample : L3506-11 5X
Misc :
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Instrument : BNA_F
ClientSampleId : OR-02-083120

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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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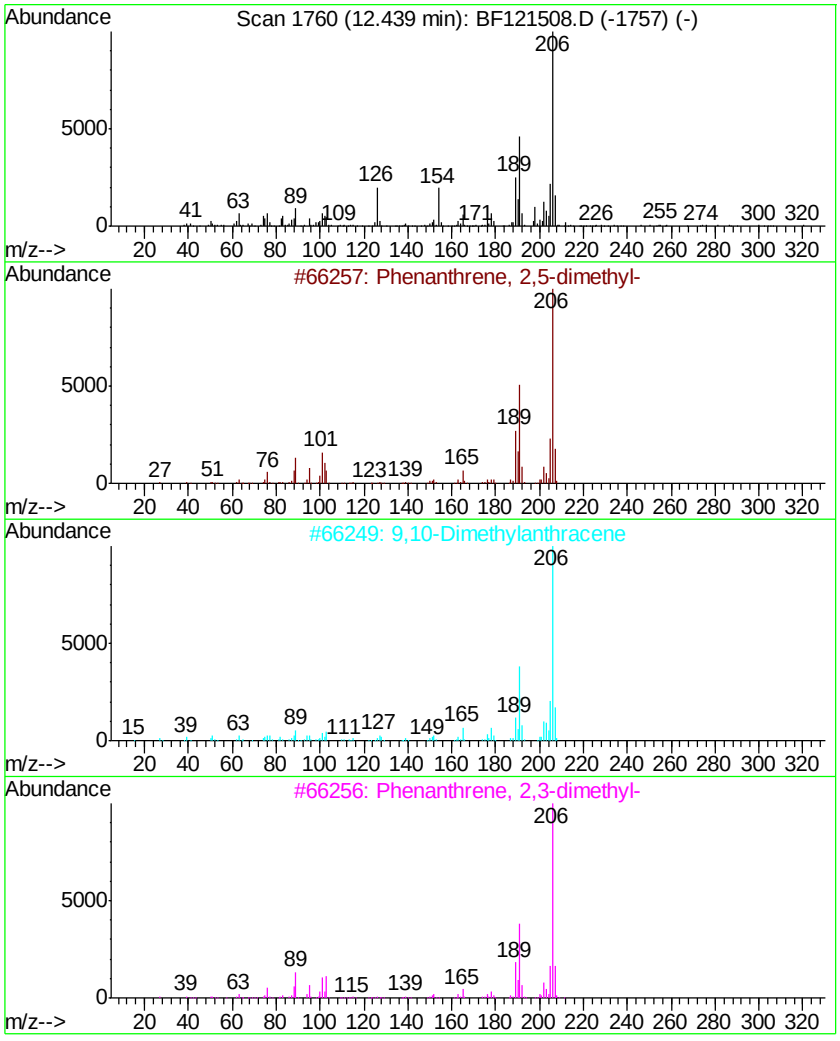
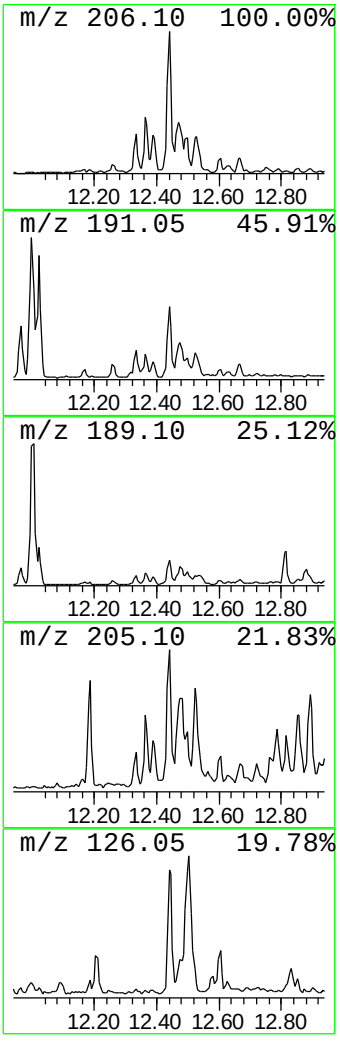
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	3.72 ng	378478	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	89
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	70
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	70





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Sample : L3506-11 5X
Misc :
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Instrument : BNA_F
ClientSampleId : OR-02-083120

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

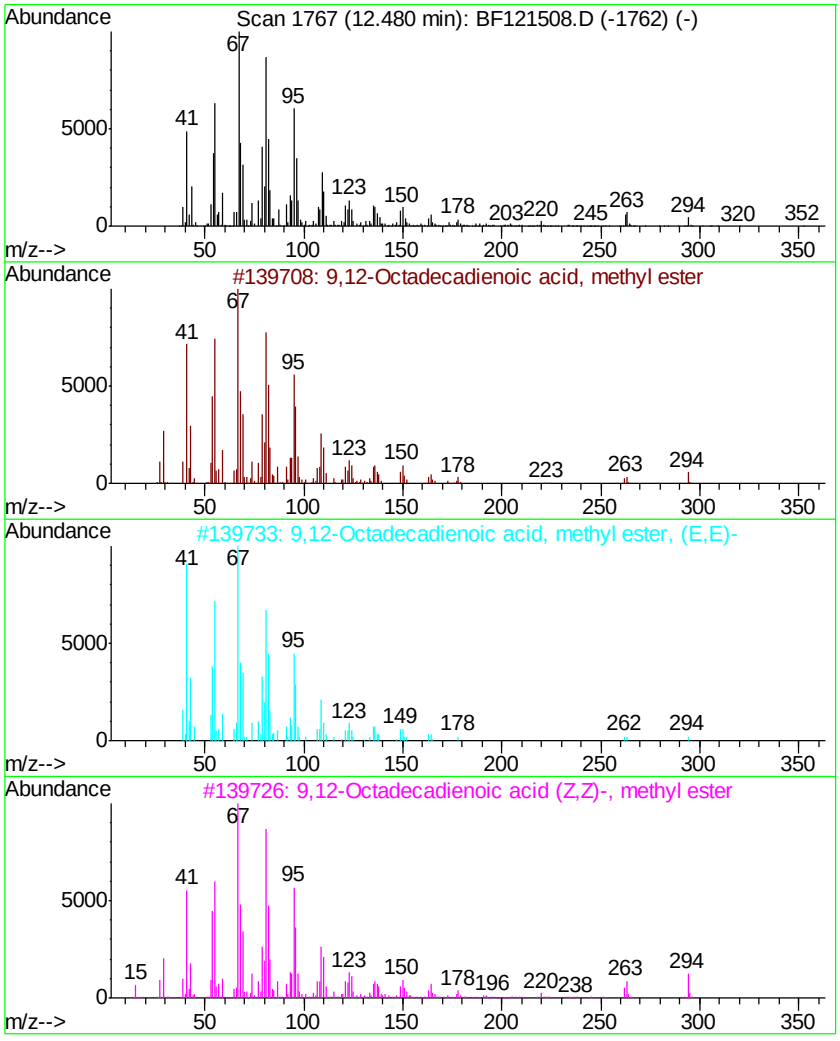
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

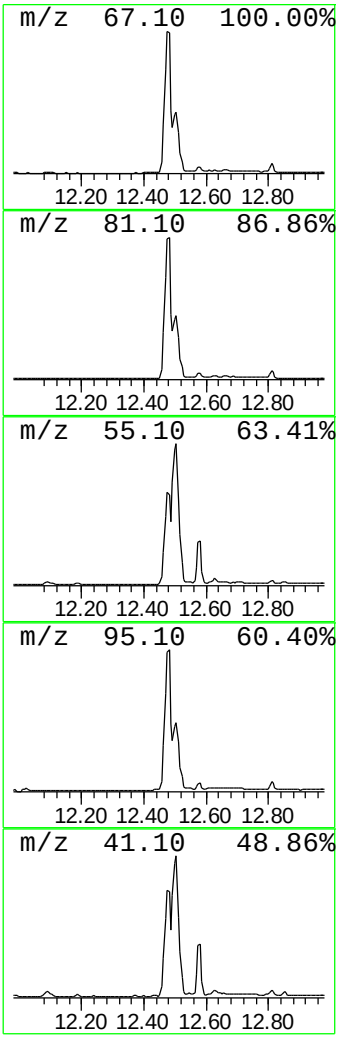
****

Peak Number 15 9,12-Octadecadienoic acid, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	117.75 ng	11979300	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99
2	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
3	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
4	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	99
5	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99





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Sample : L3506-11 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-083120

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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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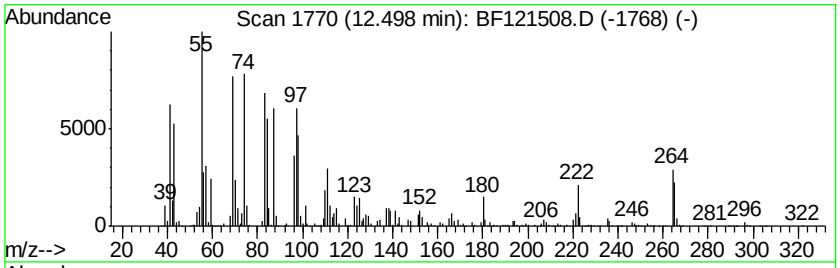
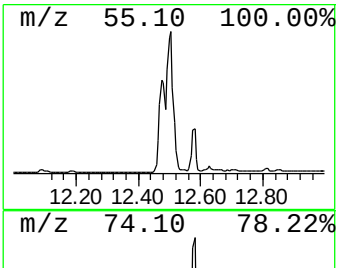
Peak Number 16 9-Octadecenoic acid (Z)-, m... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	151.00 ng	15362500	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	99
2	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	99
3	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	96
4	9-Octadecenoic acid, methyl este...	296	C19H36O2	001937-62-8	95
5	6-Octadecenoic acid, methyl ester	296	C19H36O2	052355-31-4	95





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Data File : BF121508.D
Acq On : 1 Sep 2020 21:13
Operator : JU/CG
Sample : L3506-11 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-083120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.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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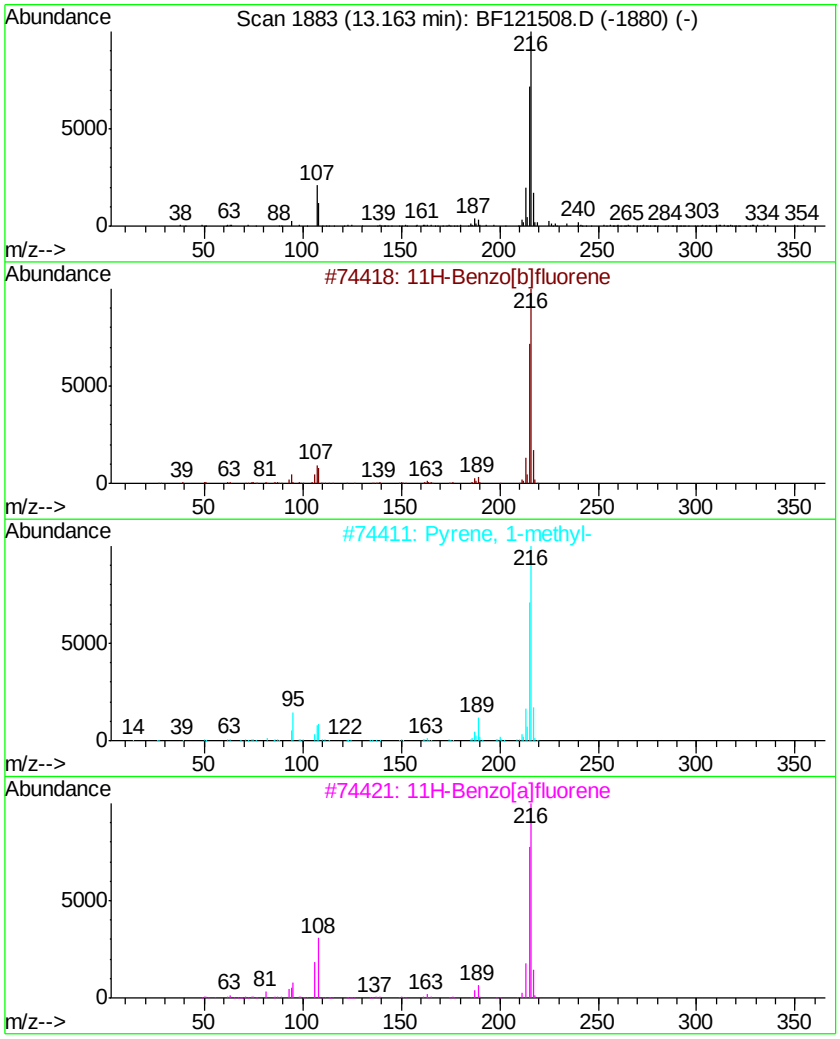
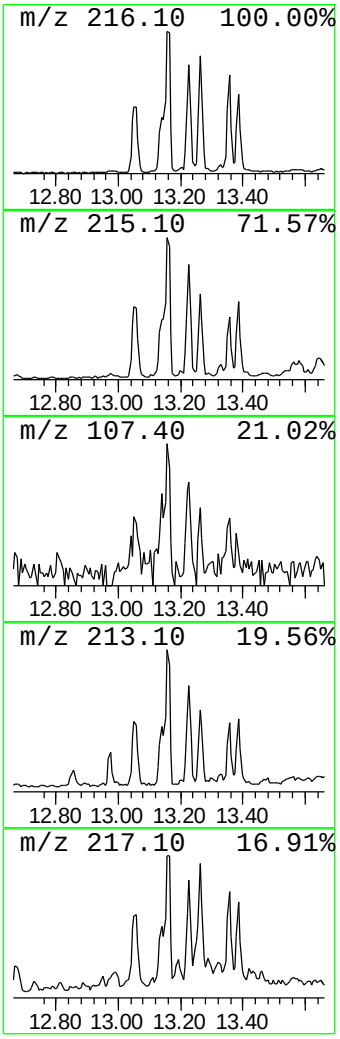
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	2.89 ng	453802	Chrysene-d12	14.03

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	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	53
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	53





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Acq On : 1 Sep 2020 21:13
Operator : JU/CG
Sample : L3506-11 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-083120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.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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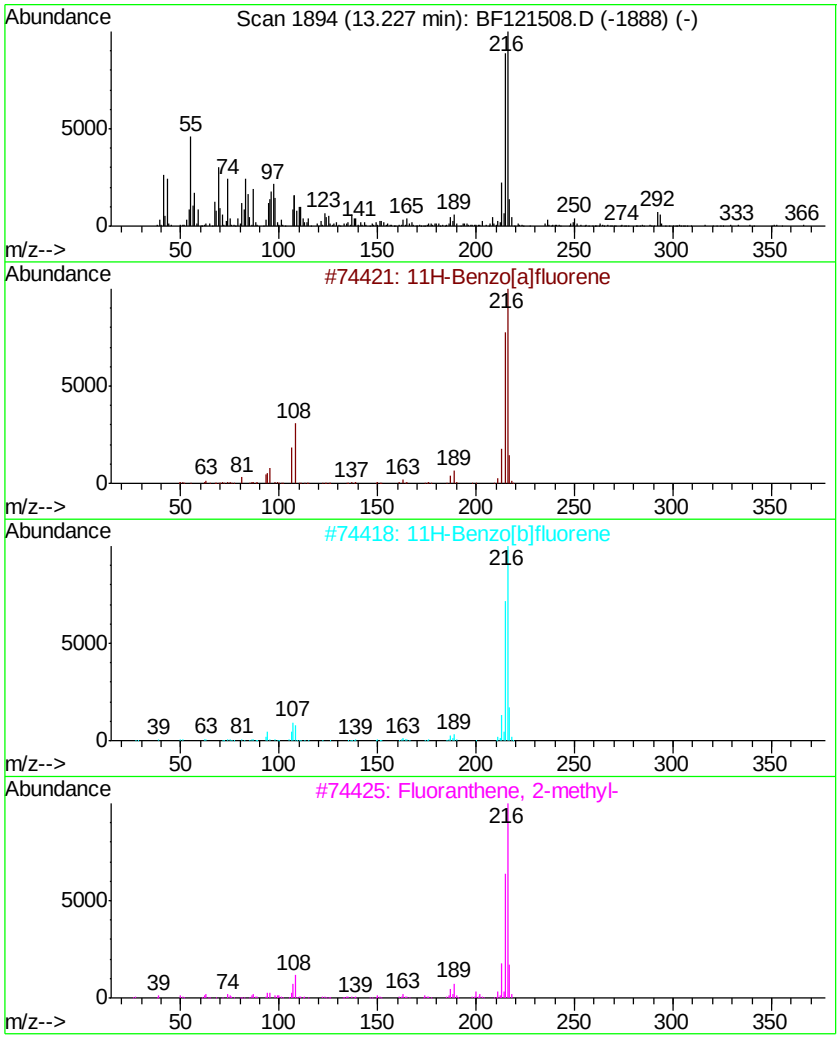
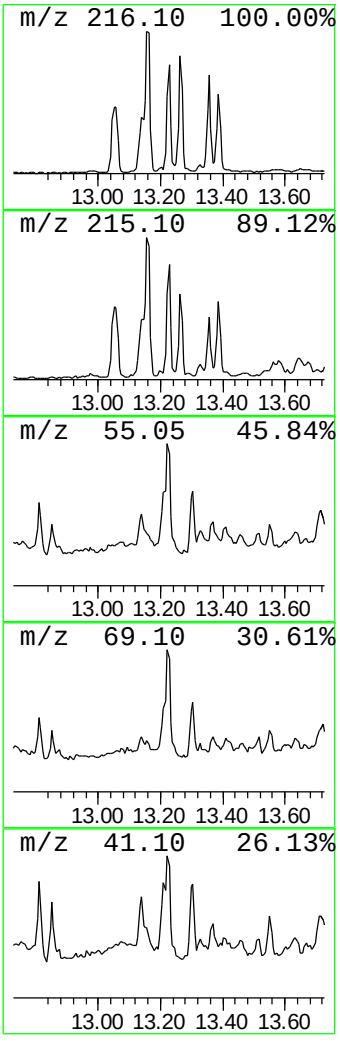
Peak Number 18 11H-Benzo[a]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.23	6.01 ng	942708	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	62
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	55
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	50
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	49
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121508.D
Acq On : 1 Sep 2020 21:13
Operator : JU/CG
Sample : L3506-11 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-083120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.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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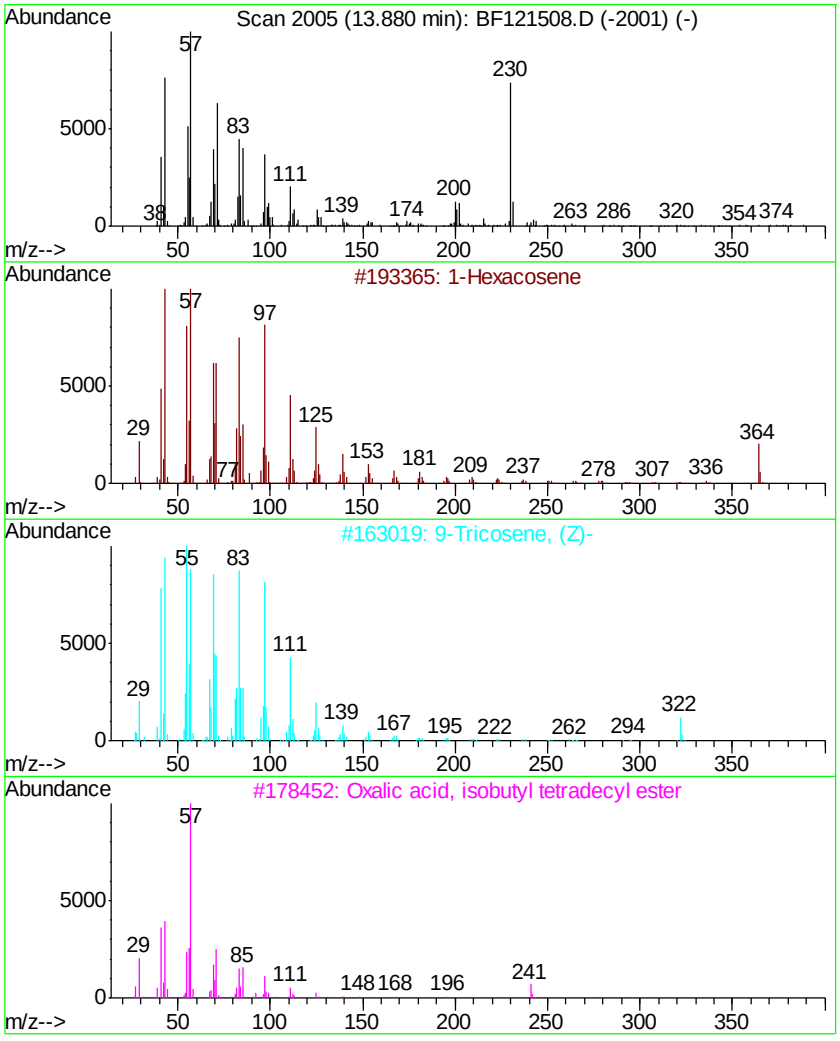
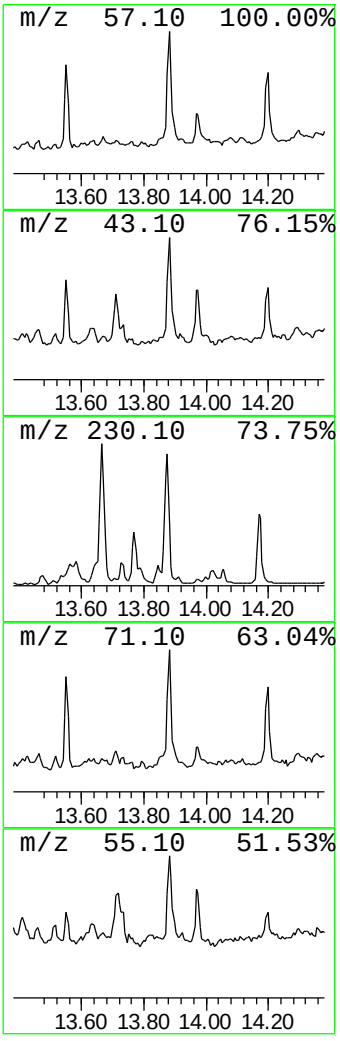
Peak Number 19 1-Hexacosene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	3.29 ng	516187	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexacosene	364	C26H52	018835-33-1	93
2	9-Tricosene, (Z)-	322	C23H46	027519-02-4	92
3	Oxalic acid, isobutyl tetradecyl...	342	C20H38O4	1000309-37-9	60
4	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	60
5	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121508.D
Acq On : 1 Sep 2020 21:13
Operator : JU/CG
Sample : L3506-11 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-083120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.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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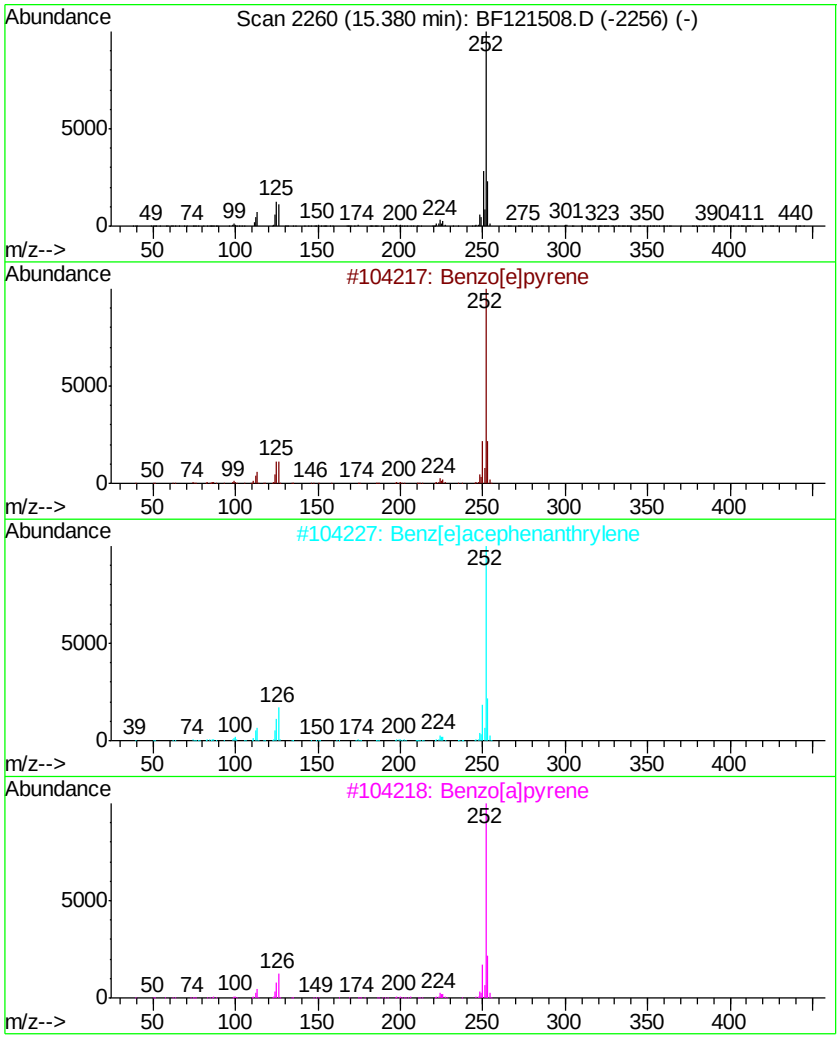
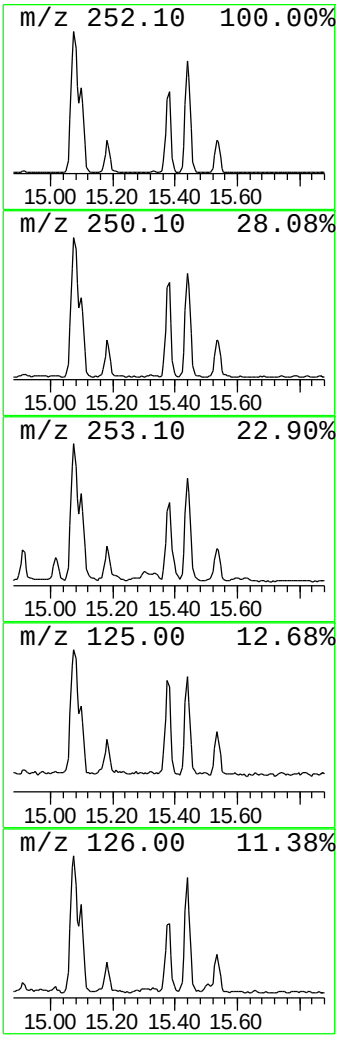
Peak Number 20 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.38	7.28 ng	674694	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF090120\
Data File : BF121508.D
Acq On : 1 Sep 2020 21:13
Operator : JU/CG
Sample : L3506-11 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-083120

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.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
Naphthalene, 2,3-...	9.56	3.2	ng	365603	3	9.90	2314600	20.0
Hexadecane	10.33	2.8	ng	323414	3	9.90	2314600	20.0
Heptadecane	10.80	6.5	ng	657548	4	11.39	2034750	20.0
Bacchotricuneatin c	11.25	4.3	ng	436202	4	11.39	2034750	20.0
Naphtho[1,2-b]thi...	11.28	4.3	ng	432306	4	11.39	2034750	20.0
Tetracosane	11.68	4.1	ng	421697	4	11.39	2034750	20.0
9-Hexadecenoic ac...	11.70	6.0	ng	615597	4	11.39	2034750	20.0
Hexadecanoic acid...	11.79	74.2	ng	7549760	4	11.39	2034750	20.0
Phenanthrene, 2-m...	11.89	3.9	ng	397842	4	11.39	2034750	20.0
Anthracene, 2-met...	11.92	7.4	ng	756952	4	11.39	2034750	20.0
Benzaldehyde, 3,5...	12.00	6.7	ng	680143	4	11.39	2034750	20.0
Tridecane, 7-propyl-	12.09	5.1	ng	515710	4	11.39	2034750	20.0
Naphthalene, 2-ph...	12.19	3.9	ng	397311	4	11.39	2034750	20.0
Phenanthrene, 2,5...	12.44	3.7	ng	378478	4	11.39	2034750	20.0
9,12-Octadecadien...	12.48	117.8	ng	11979300	4	11.39	2034750	20.0
9-Octadecenoic ac...	12.50	151.0	ng	15362500	4	11.39	2034750	20.0
11H-Benzo[b]fluorene	13.16	2.9	ng	453802	5	14.03	3139480	20.0
11H-Benzo[a]fluorene	13.23	6.0	ng	942708	5	14.03	3139480	20.0
1-Hexacosene	13.88	3.3	ng	516187	5	14.03	3139480	20.0
Benzo[e]pyrene	15.38	7.3	ng	674694	6	15.51	1853570	20.0