LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121507.D
Acq On : 1 Sep 2020 20:41
Operator : JU/CG
Sample : L3848-21 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-B

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	2.116	3	5	15	rVB	941358	972940	15.56%	1.130%
2	5.463	570	574	589	rBV	2306614	2111383	33.77%	2.452%
3	6.475	742	746	765	rVB	2390162	2169086	34.69%	2.519%
4	6.681	778	781	788	rBV	99378	109631	1.75%	0.127%
5	6.857	807	811	814	rBV	1994591	1568419	25.09%	1.821%
6	7.416	901	906	918	rBV	1564860	1440577	23.04%	1.673%
7	8.139	1025	1029	1032	rBV	2406470	2046893	32.74%	2.377%
8	9.216	1208	1212	1223	rBV	3327495	2784644	44.54%	3.234%
9	9.557	1266	1270	1272	rVV	94314	90748	1.45%	0.105%
10	9.610	1276	1279	1286	rVB	474851	393686	6.30%	0.457%
11	9.757	1301	1304	1308	rVB	347821	277015	4.43%	0.322%
12	9.898	1322	1328	1331	rBV	2802301	2316243	37.05%	2.690%
13	9.927	1331	1333	1337	rVB	328953	266879	4.27%	0.310%
14	10.057	1350	1355	1359	rBV2	55278	70693	1.13%	0.082%
15	10.098	1359	1362	1366	rBV	177865	170770	2.73%	0.198%
16	10.216	1378	1382	1384	rBV2	78951	85105	1.36%	0.099%
17	10.304	1393	1397	1399	rBV2	74295	89836	1.44%	0.104%
18	10.445	1418	1421	1427	rVB2	330388	309396	4.95%	0.359%
19	10.604	1445	1448	1454	rVB	135558	130003	2.08%	0.151%
20	10.686	1458	1462	1466	rVV	1797921	1618944	25.89%	1.880%
21	10.733	1466	1470	1474	rVB3	49898	72870	1.17%	0.085%
22	10.810	1478	1483	1486	rBV4	112484	129535	2.07%	0.150%
23	10.992	1508	1514	1517	rBV3	149745	226998	3.63%	0.264%
24	11.021	1517	1519	1522	rVV2	107538	96757	1.55%	0.112%
25	11.074	1526	1528	1531	rVB2	81918	75458	1.21%	0.088%
26	11.121	1531	1536	1538	rBV3	152337	190689	3.05%	0.221%
27	11.145	1538	1540	1545	rVV2	158341	170515	2.73%	0.198%
28	11.186	1545	1547	1551	rVV2	157068	156927	2.51%	0.182%
29	11.233	1552	1555	1561	rVV3	150617	271402	4.34%	0.315%
30	11.280	1561	1563	1569	rVB	213271	204793	3.28%	0.238%
31	11.386	1577	1581	1583	rBV	2471738	2256757	36.09%	2.621%
32	11.410	1583	1585	1588	rVV	3680397	2918155	46.67%	3.389%
33	11.463	1589	1594	1597	rVV	925216	856617	13.70%	0.995%
34	11.492	1597	1599	1602	rVB2	151854	137934	2.21%	0.160%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121507.D
Acq On : 1 Sep 2020 20:41
Operator : JU/CG
Sample : L3848-21 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-B

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	11.610	1614	1619	1622	rBV2	206824	263981	4.22%	0.307%
36	11.639	1622	1624	1629	rVV3	87631	112964	1.81%	0.131%
37	11.680	1629	1631	1634	rVV	185276	132514	2.12%	0.154%
38	11.715	1634	1637	1639	rBV2	126263	94304	1.51%	0.110%
39	11.886	1663	1666	1669	rVV	780288	716749	11.46%	0.832%
40	11.915	1669	1671	1675	rVB	1162920	928694	14.85%	1.078%
41	11.963	1676	1679	1682	rBV	456856	387655	6.20%	0.450%
42	11.998	1682	1685	1688	rBV2	1130444	1331635	21.30%	1.546%
43	12.021	1688	1689	1694	rVB	624076	398104	6.37%	0.462%
44	12.068	1694	1697	1699	rBV4	63518	78945	1.26%	0.092%
45	12.163	1708	1713	1714	rBV4	55998	87521	1.40%	0.102%
46	12.186	1714	1717	1719	rBV	457857	427903	6.84%	0.497%
47	12.204	1719	1720	1724	rVB2	259292	213029	3.41%	0.247%
48	12.257	1727	1729	1734	rVB2	86209	73526	1.18%	0.085%
49	12.315	1737	1739	1740	rBV2	69756	64849	1.04%	0.075%
50	12.333	1740	1742	1745	rVB	251384	179783	2.88%	0.209%
51	12.363	1745	1747	1749	rBV	207461	158934	2.54%	0.185%
52	12.386	1749	1751	1754	rVB	211904	172958	2.77%	0.201%
53	12.439	1756	1760	1763	rBV	624216	660539	10.56%	0.767%
54	12.480	1763	1767	1768	rVV	349231	392050	6.27%	0.455%
55	12.521	1772	1774	1780	rVB2	410819	482895	7.72%	0.561%
56	12.604	1784	1788	1791	rBV	5420470	5257795	84.09%	6.106%
57	12.645	1793	1795	1797	rBV	129146	119032	1.90%	0.138%
58	12.692	1801	1803	1806	rVB	205057	185078	2.96%	0.215%
59	12.733	1806	1810	1811	rBV2	141832	183397	2.93%	0.213%
60	12.751	1811	1813	1817	rVB2	171003	156555	2.50%	0.182%
61	12.833	1821	1827	1832	rBV2	5050120	6252386	100.00%	7.261%
62	12.880	1832	1835	1840	rVB2	331684	444612	7.11%	0.516%
63	12.951	1844	1847	1848	rBV	309538	295355	4.72%	0.343%
64	12.974	1848	1851	1858	rVB	2877686	2783342	44.52%	3.232%
65	13.051	1859	1864	1867	rBV3	554983	905829	14.49%	1.052%
66	13.104	1871	1873	1875	rBV2	129366	134608	2.15%	0.156%
67	13.133	1875	1878	1879	rBV3	441992	401530	6.42%	0.466%
68	13.157	1880	1882	1885	rVB2	1009301	903306	14.45%	1.049%
69	13.192	1885	1888	1889	rBV	130940	123511	1.98%	0.143%
70	13.221	1891	1893	1896	rVB	549680	468840	7.50%	0.544%
71	13.262	1896	1900	1903	rBV2	928991	970827	15.53%	1.127%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121507.D
Acq On : 1 Sep 2020 20:41
Operator : JU/CG
Sample : L3848-21 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-B

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	13.321	1907	1910	1912	rBV2	153871	154770	2.48%	0.180%
73	13.357	1913	1916	1918	rVB	498770	380739	6.09%	0.442%
74	13.386	1918	1921	1924	rBV	568979	478695	7.66%	0.556%
75	13.557	1944	1950	1953	rBV5	226570	529661	8.47%	0.615%
76	13.668	1966	1969	1973	rVB	513200	588671	9.42%	0.684%
77	13.774	1983	1987	1990	rBV2	475424	728627	11.65%	0.846%
78	13.809	1990	1993	1995	rVV	630685	646988	10.35%	0.751%
79	13.833	1995	1997	2001	rVV2	447617	678334	10.85%	0.788%
80	13.874	2001	2004	2011	rVB2	806099	1016000	16.25%	1.180%
81	14.027	2023	2030	2033	rBV3	3783110	5719487	91.48%	6.642%
82	14.062	2033	2036	2041	rVB	2821957	2904767	46.46%	3.373%
83	14.139	2046	2049	2051	rVV	349881	291882	4.67%	0.339%
84	14.251	2065	2068	2072	rBV3	259400	363200	5.81%	0.422%
85	14.380	2088	2090	2092	rBV	214648	190509	3.05%	0.221%
86	14.415	2093	2096	2099	rVV	780363	844425	13.51%	0.981%
87	14.451	2100	2102	2105	rVB	498481	387069	6.19%	0.449%
88	14.539	2115	2117	2119	rBV	337212	321585	5.14%	0.373%
89	15.080	2204	2209	2212	rBV	2452701	3915995	62.63%	4.548%
90	15.186	2224	2227	2231	rVB	601336	589260	9.42%	0.684%
91	15.386	2257	2261	2267	rVB	1623162	2051035	32.80%	2.382%
92	15.451	2267	2272	2277	rBV	2287978	3000412	47.99%	3.484%
93	15.509	2278	2282	2285	rVV	1489430	2041046	32.64%	2.370%
94	15.539	2285	2287	2294	rVB2	777444	1107446	17.71%	1.286%
95	16.986	2528	2533	2542	rVB2	960228	1959127	31.33%	2.275%
96	17.433	2604	2609	2619	rVB	712343	1489384	23.82%	1.730%

Sum of corrected areas: 86112947

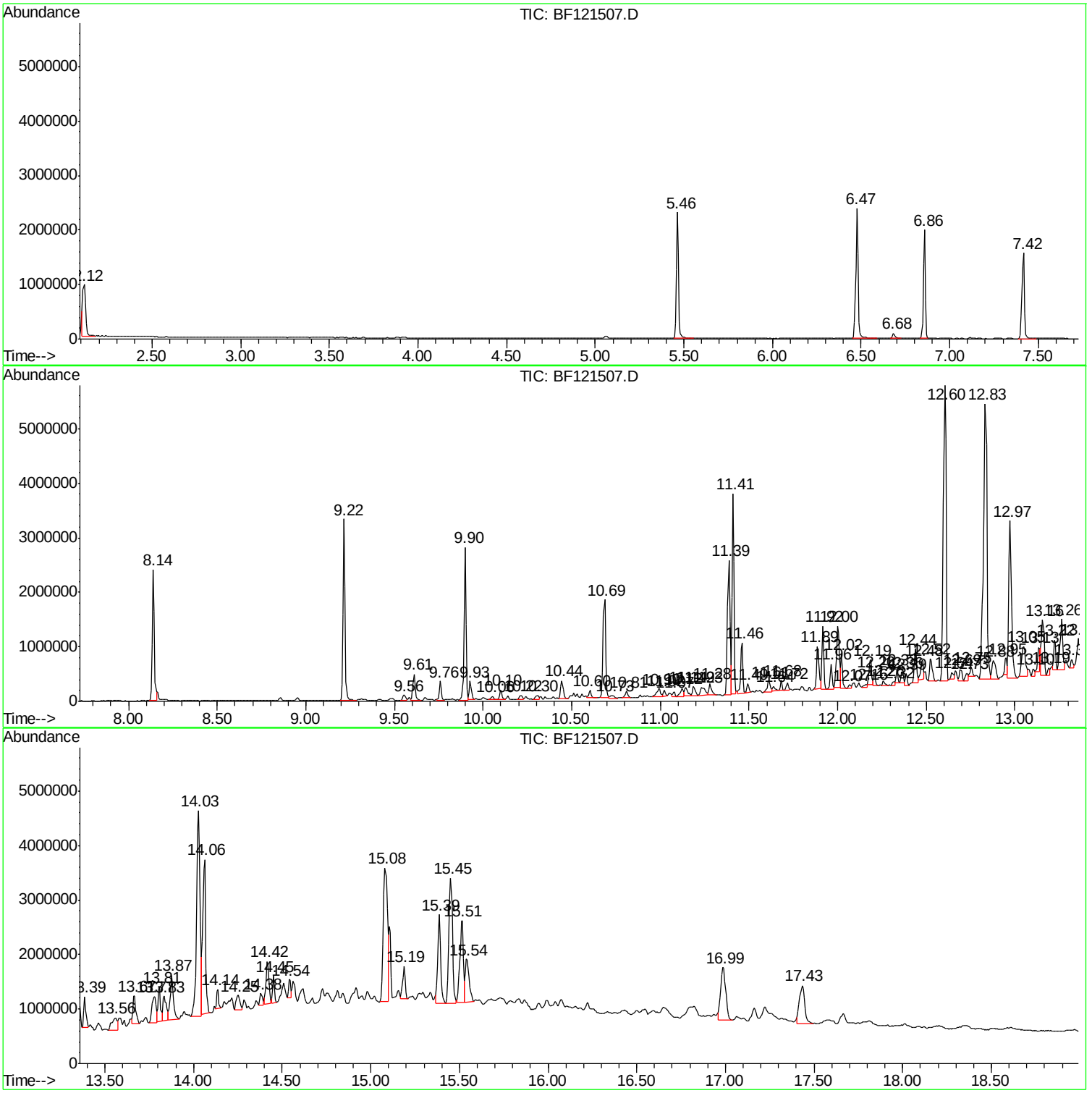
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121507.D
Acq On : 1 Sep 2020 20:41
Operator : JU/CG
Sample : L3848-21 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-B

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121507.D
Acq On : 1 Sep 2020 20:41
Operator : JU/CG
Sample : L3848-21 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-B

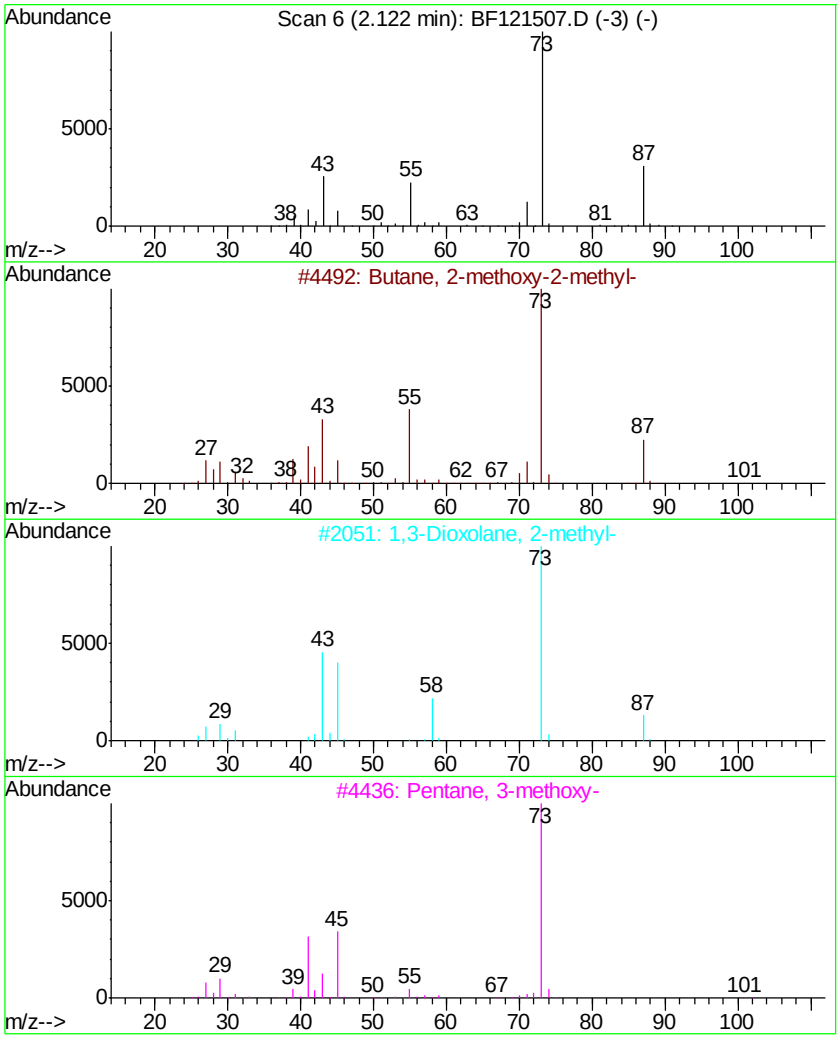
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

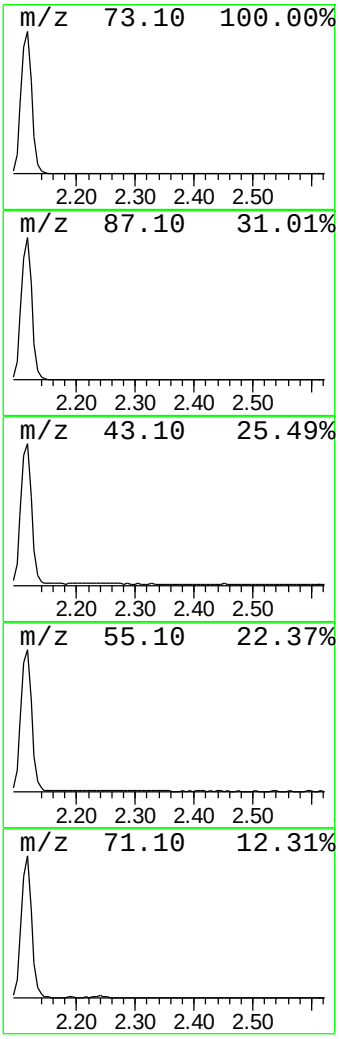
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.12	12.41 ng	972940	1,4-Dichlorobenzene-d4	6.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121507.D
Acq On : 1 Sep 2020 20:41
Operator : JU/CG
Sample : L3848-21 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-B

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

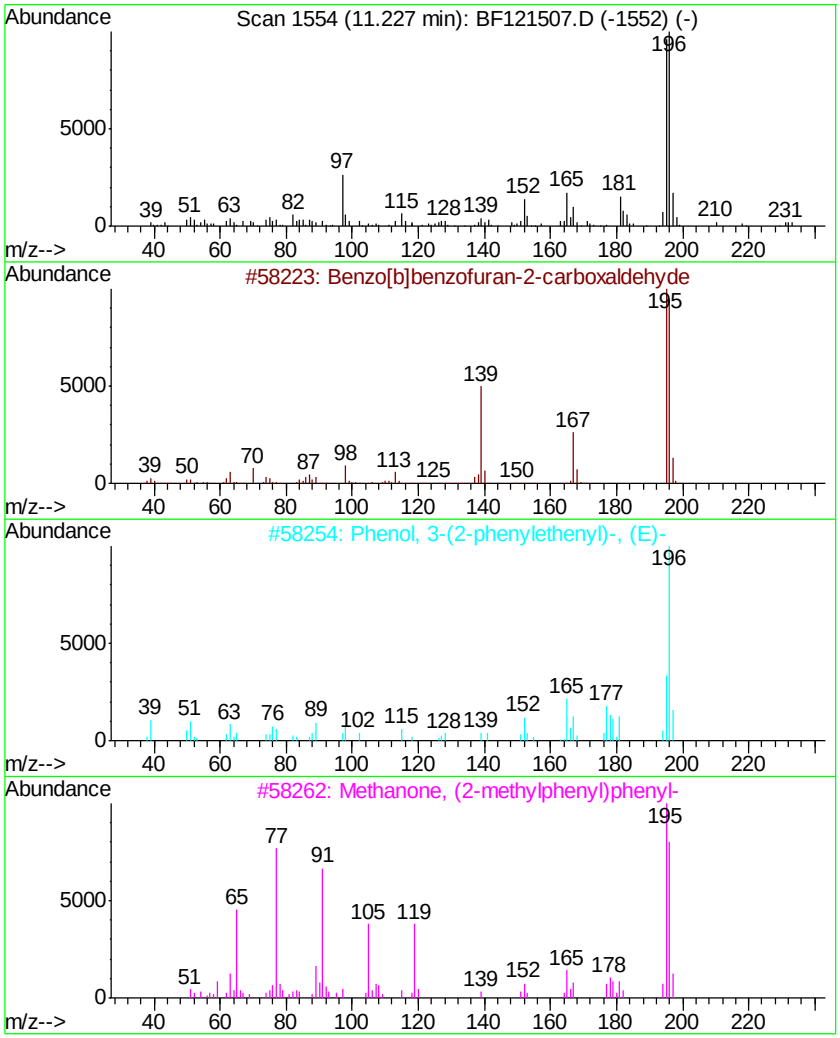
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

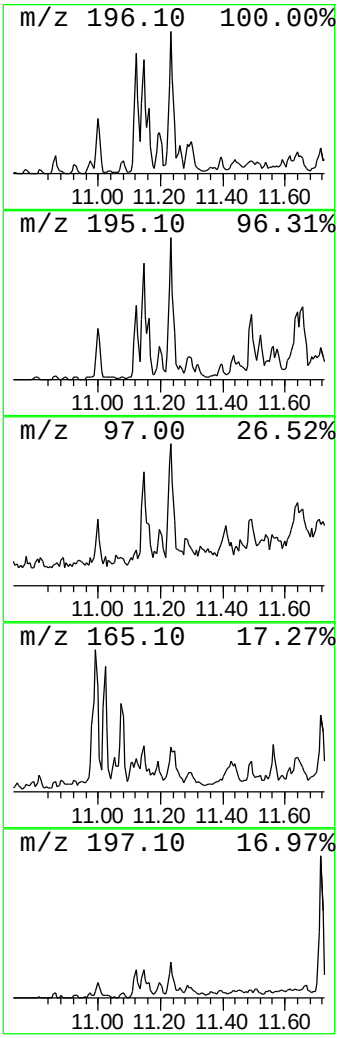
****

Peak Number 2 Benzo[b]benzofuran-2-carbox... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	2.41 ng	271402	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	62
2	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	60
3	Methanone, (2-methylphenyl)phenyl-	196	C14H12O	000131-58-8	59
4	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	58
5	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	49





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121507.D
Acq On : 1 Sep 2020 20:41
Operator : JU/CG
Sample : L3848-21 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-B

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

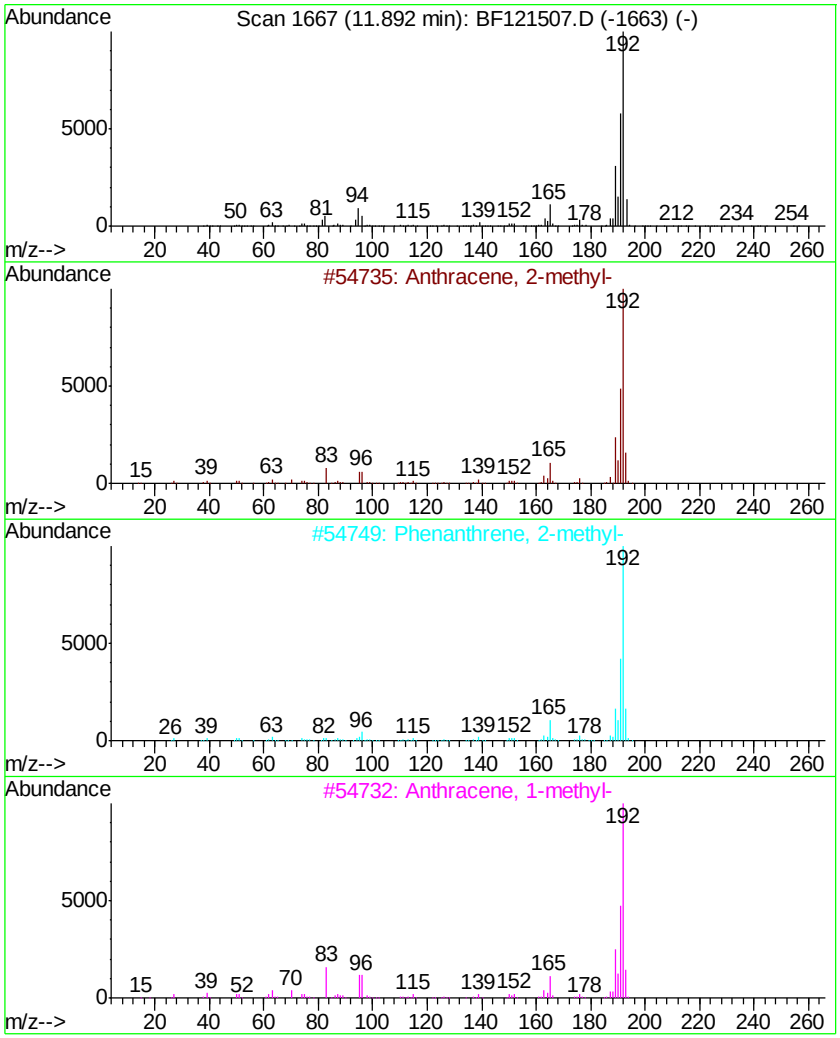
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

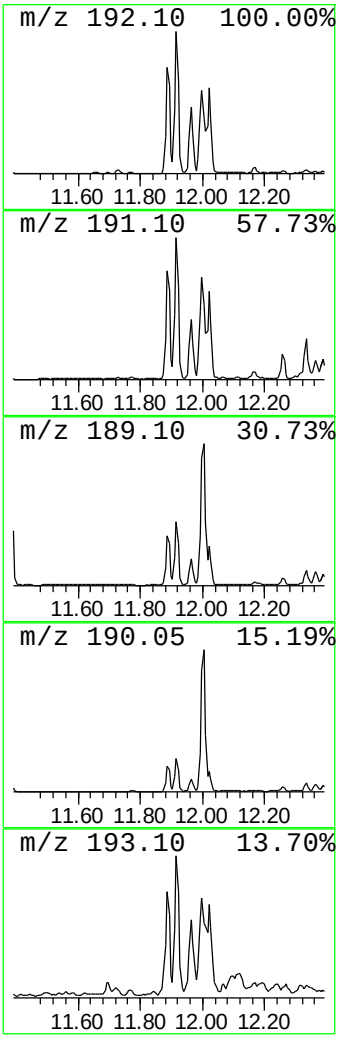
****

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	6.35 ng	716749	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121507.D
Acq On : 1 Sep 2020 20:41
Operator : JU/CG
Sample : L3848-21 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-B

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

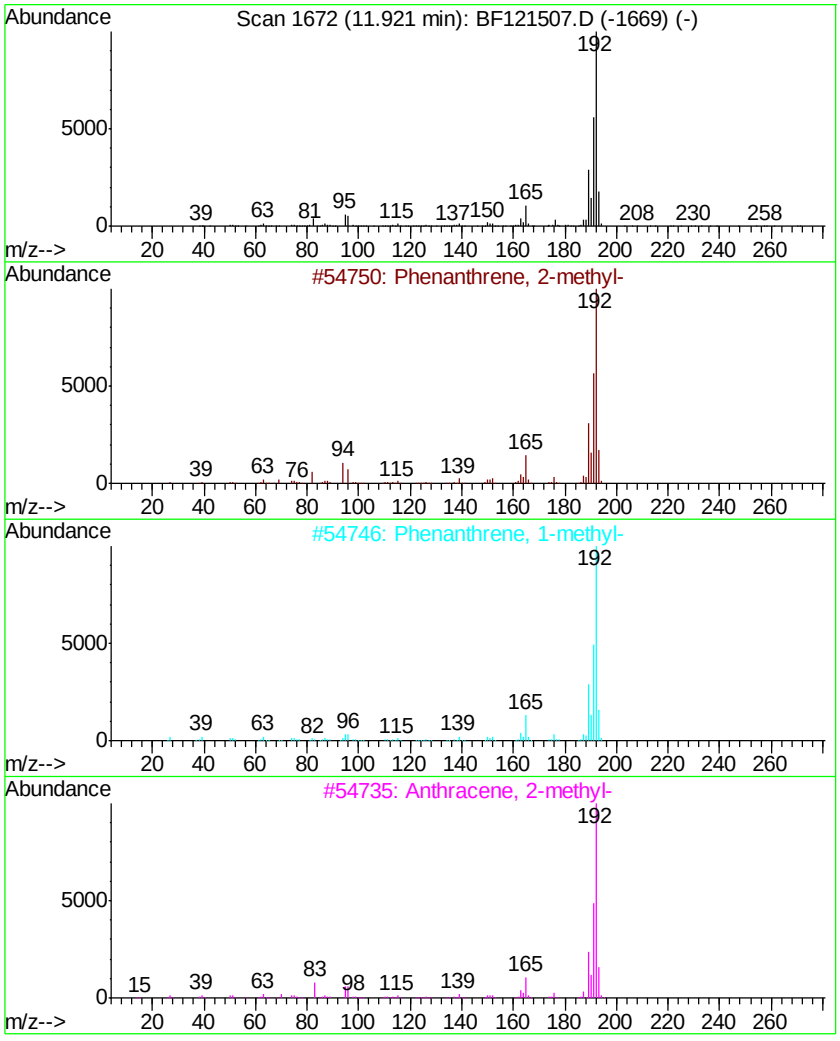
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

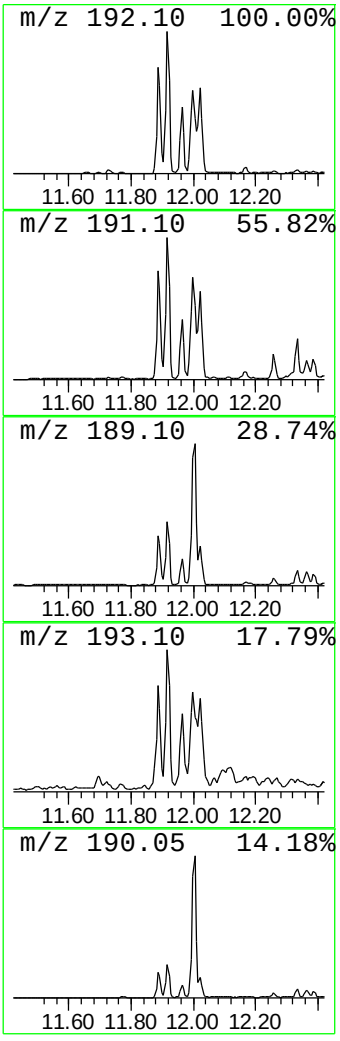
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	8.23 ng	928694	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121507.D
Acq On : 1 Sep 2020 20:41
Operator : JU/CG
Sample : L3848-21 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-B

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

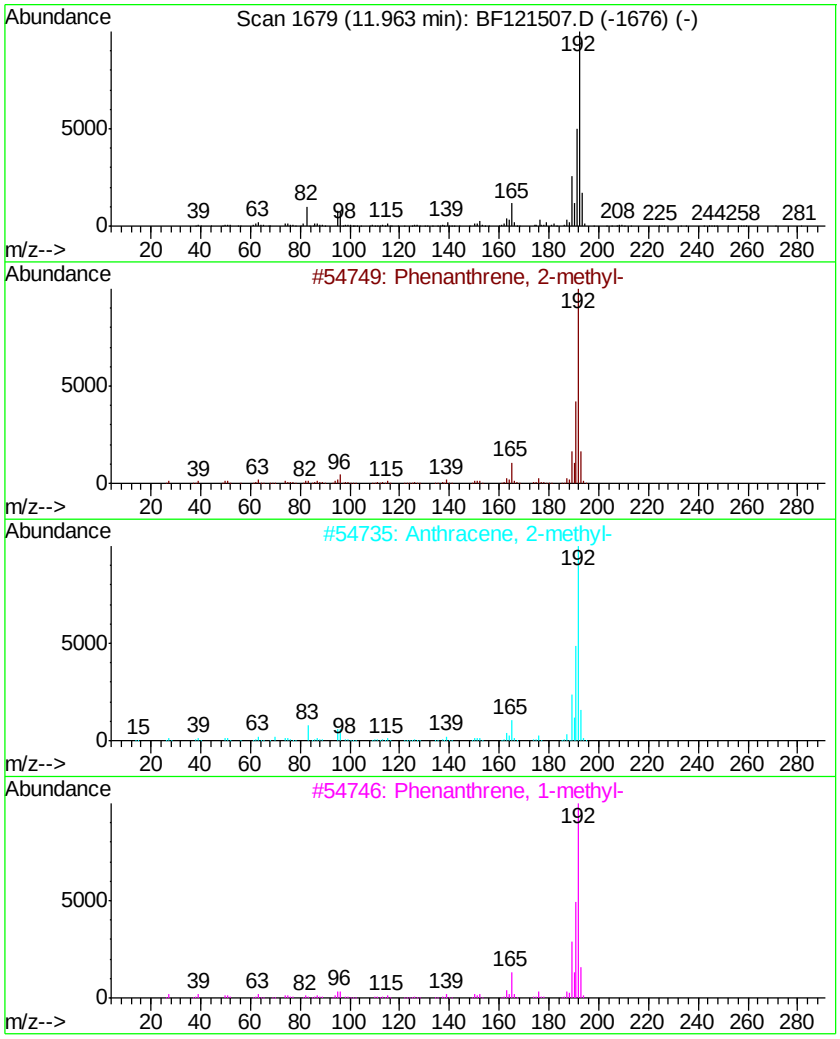
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

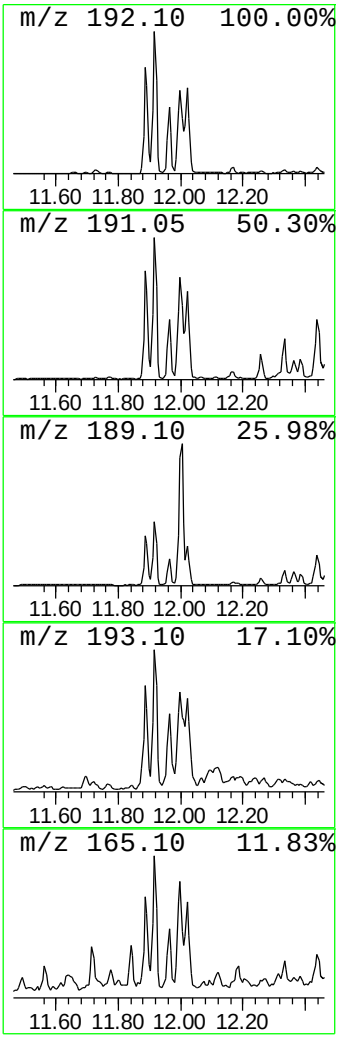
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	3.44 ng	387655	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	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96





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Acq On : 1 Sep 2020 20:41
Operator : JU/CG
Sample : L3848-21 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-B

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

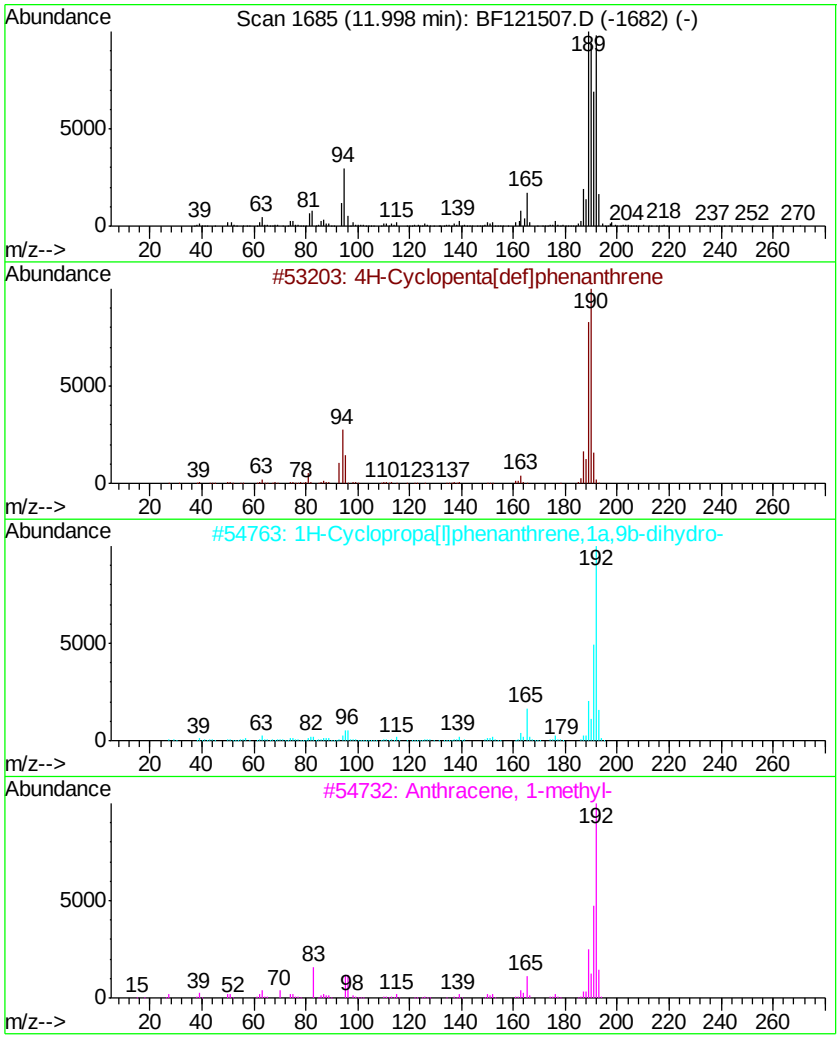
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

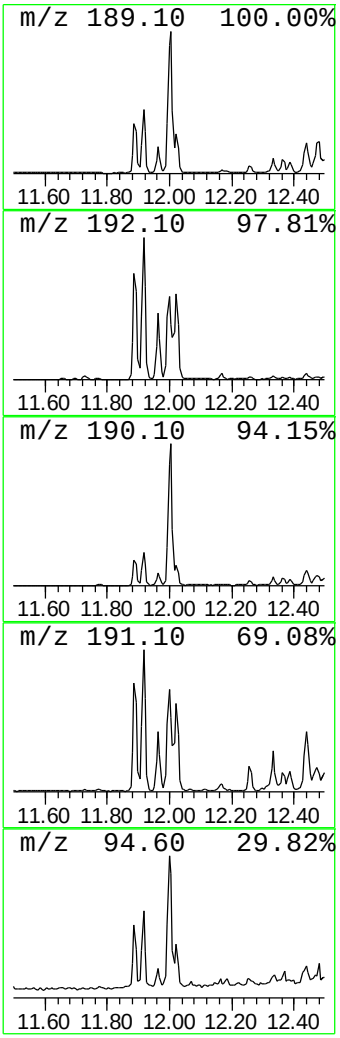
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	11.80 ng	1331640	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	42
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	42
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42





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Operator : JU/CG
Sample : L3848-21 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-B

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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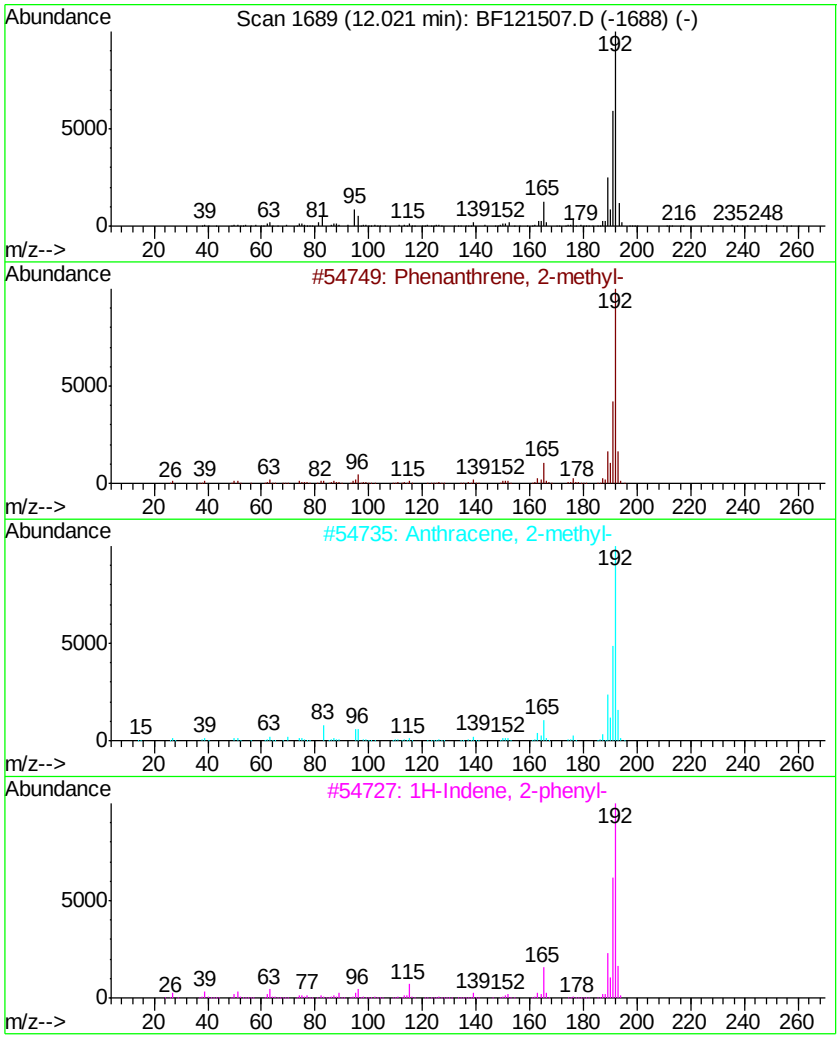
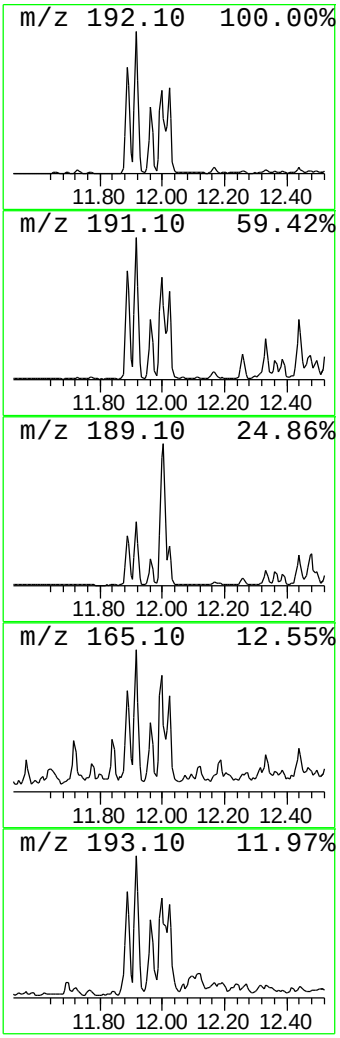
Peak Number 7 1H-Indene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	3.53 ng	398104	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Acq On : 1 Sep 2020 20:41
Operator : JU/CG
Sample : L3848-21 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-B

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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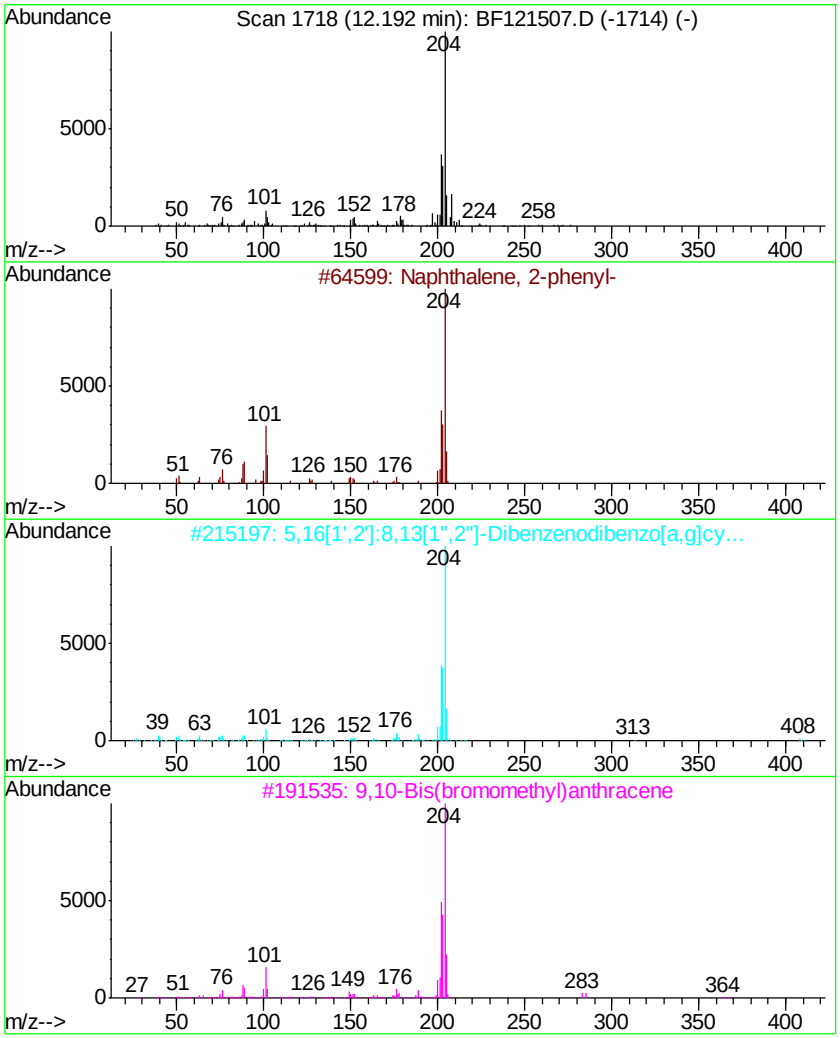
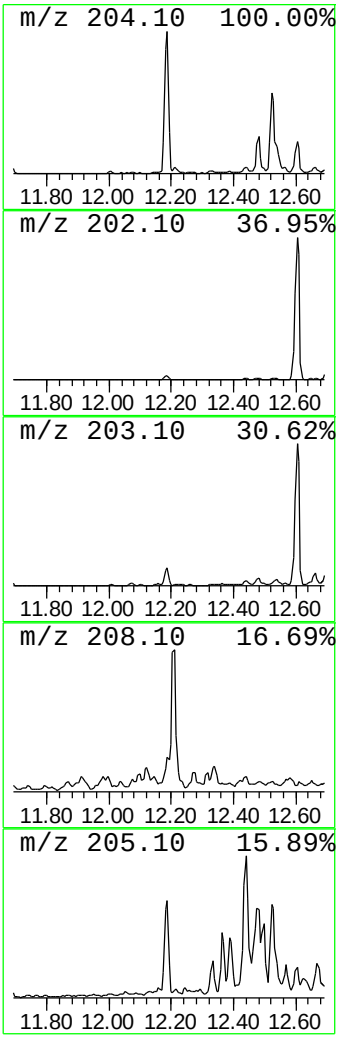
Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	3.79 ng	427903	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	50
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49





Library Search Compound Report

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Acq On : 1 Sep 2020 20:41
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Sample : L3848-21 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-B

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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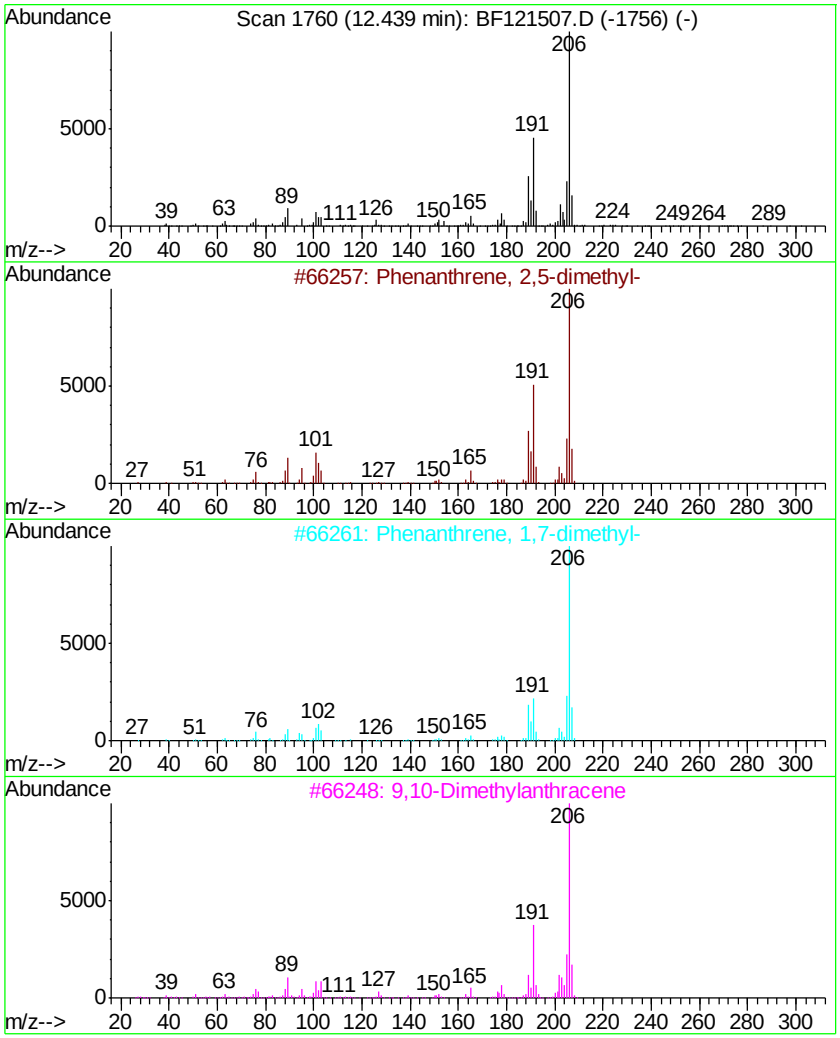
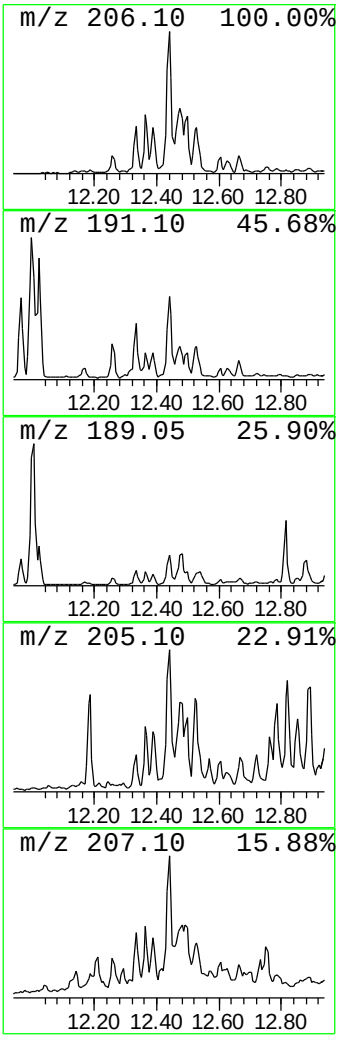
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	5.85 ng	660539	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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Operator : JU/CG
Sample : L3848-21 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-B

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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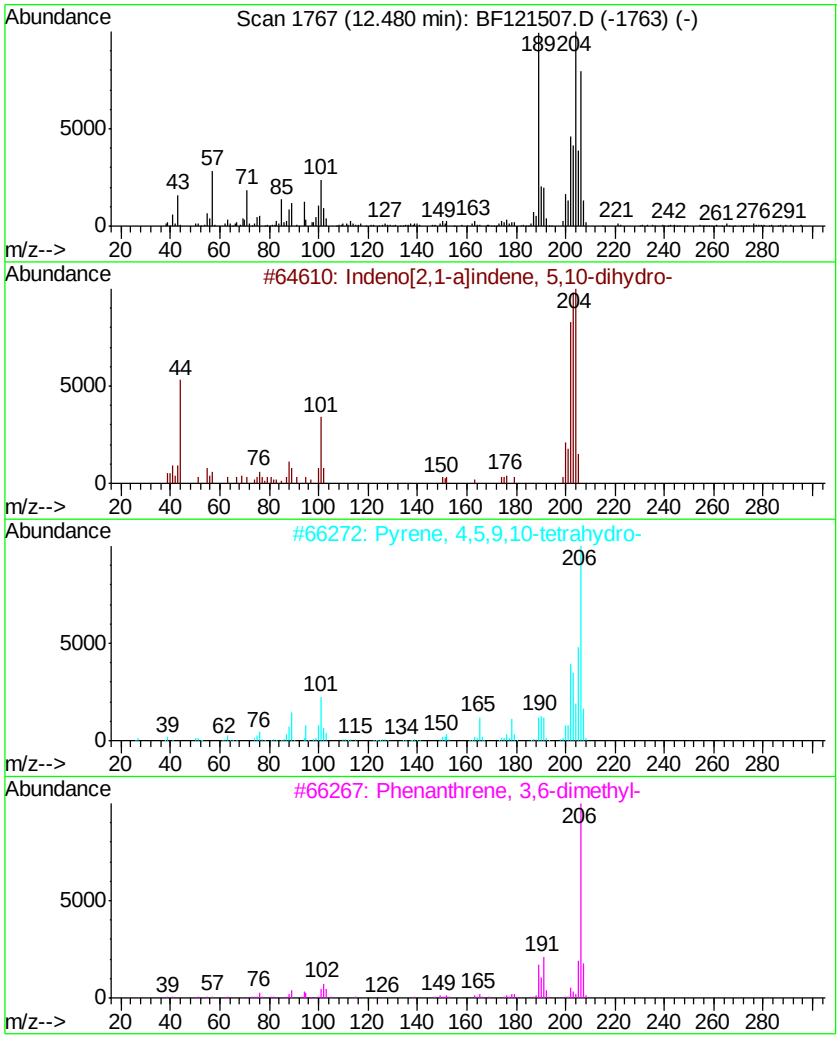
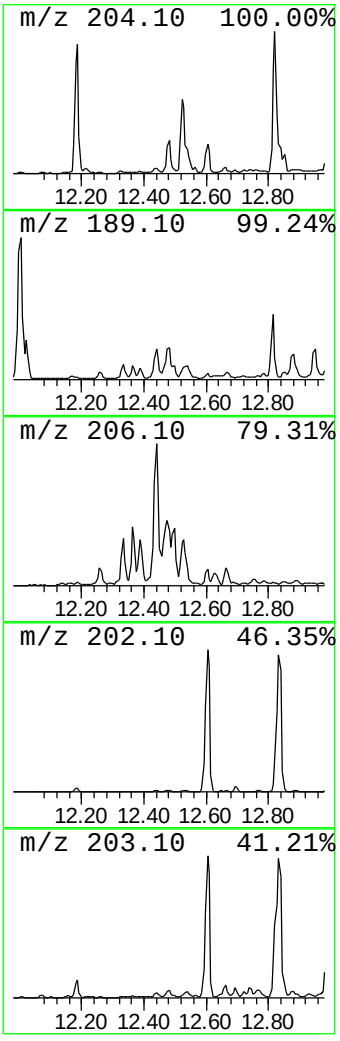
Peak Number 10 unknown12.48 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	3.47 ng	392050	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	42
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	30
4	2H-Cyclopentacyclooctene, 4,5,6,...	204	C15H24	1000221-85-8	30
5	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	25





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Acq On : 1 Sep 2020 20:41
Operator : JU/CG
Sample : L3848-21 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-B

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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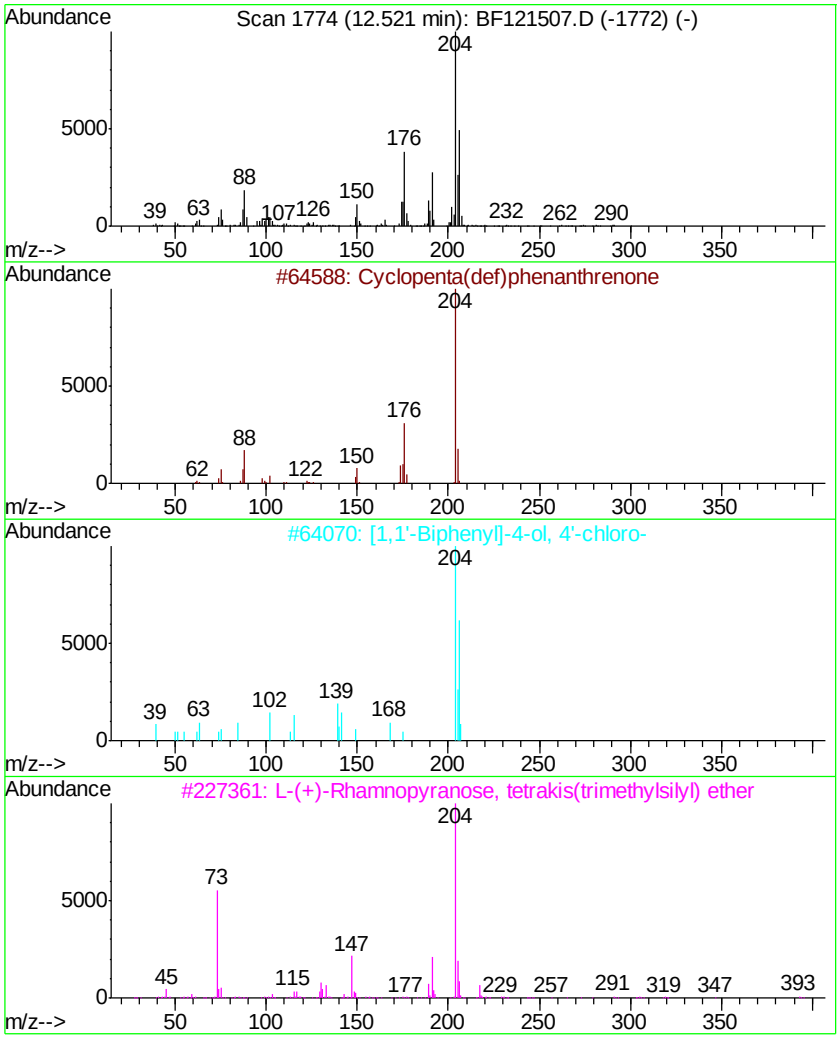
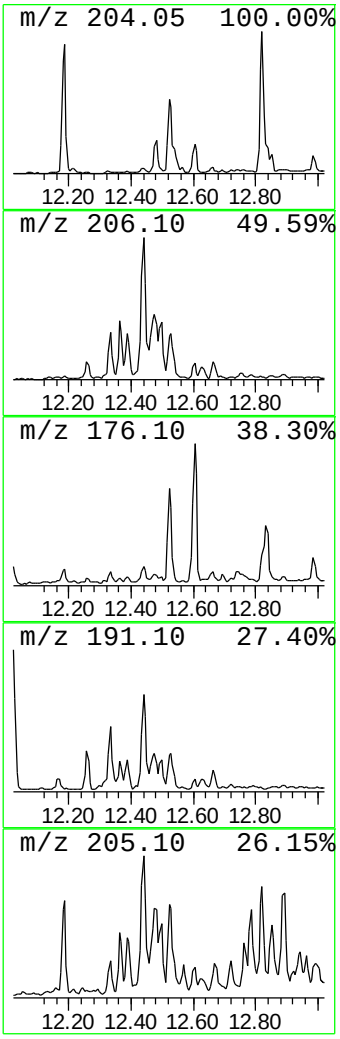
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	4.28 ng	482895	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	98
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	47
3	L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	43
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	38
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	37





Library Search Compound Report

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Operator : JU/CG
Sample : L3848-21 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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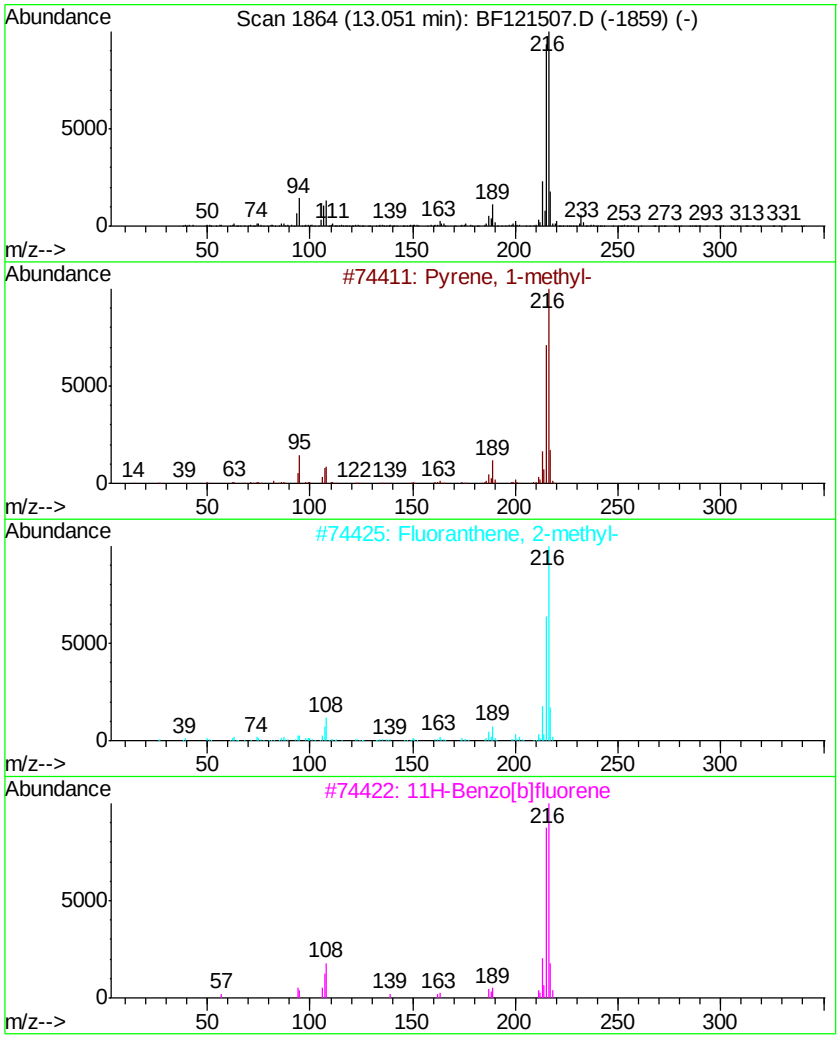
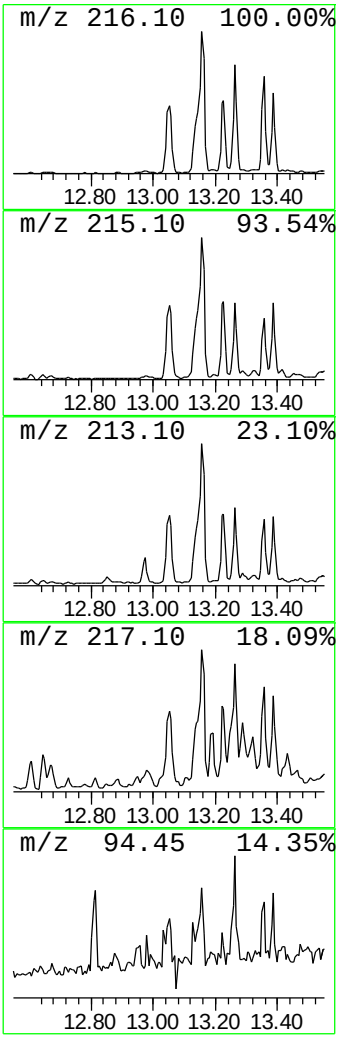
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.05	3.17 ng	905829	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





Library Search Compound Report

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Acq On : 1 Sep 2020 20:41
Operator : JU/CG
Sample : L3848-21 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-B

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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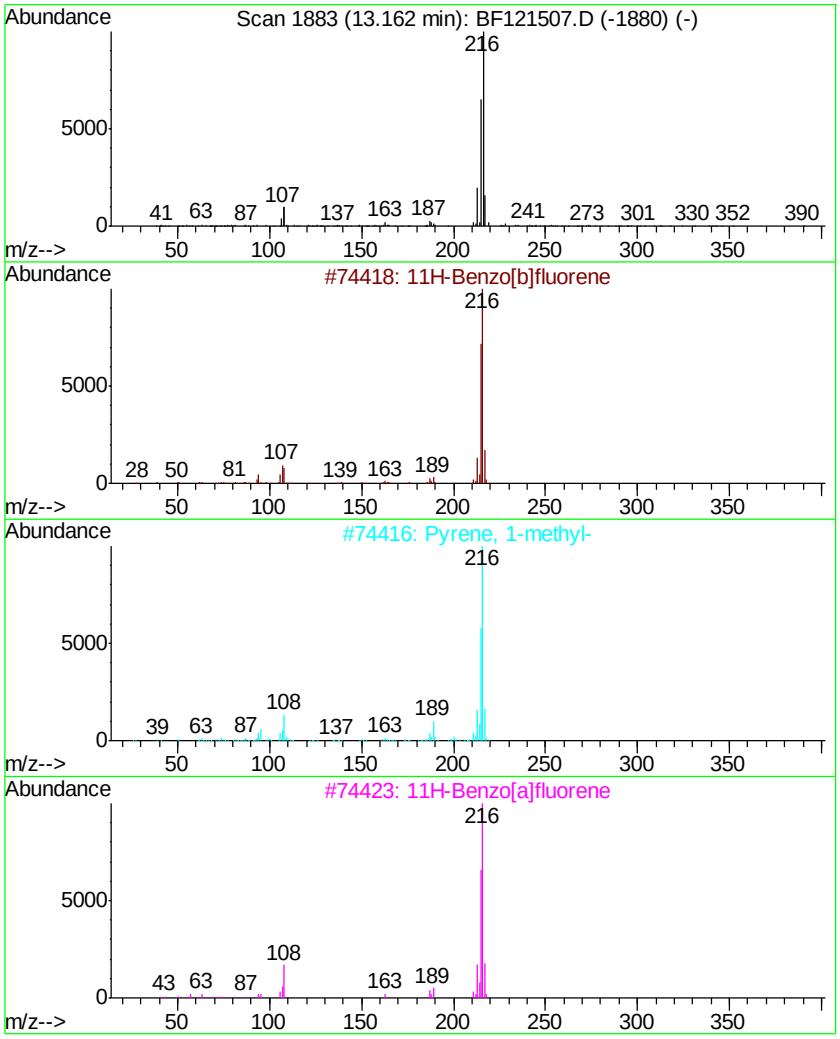
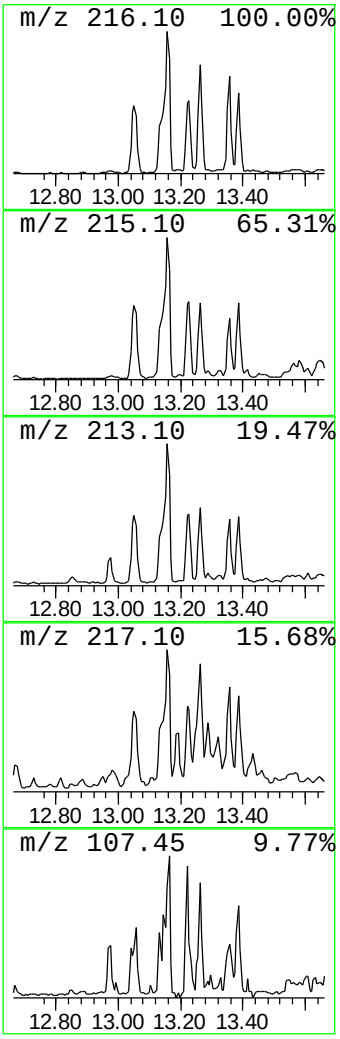
Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	3.16 ng	903306	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	6H-Thiazolo[5,4-e]indole, 2,7,8-...	216	C12H12N2S	1000338-32-0	64





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Operator : JU/CG
Sample : L3848-21 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-B

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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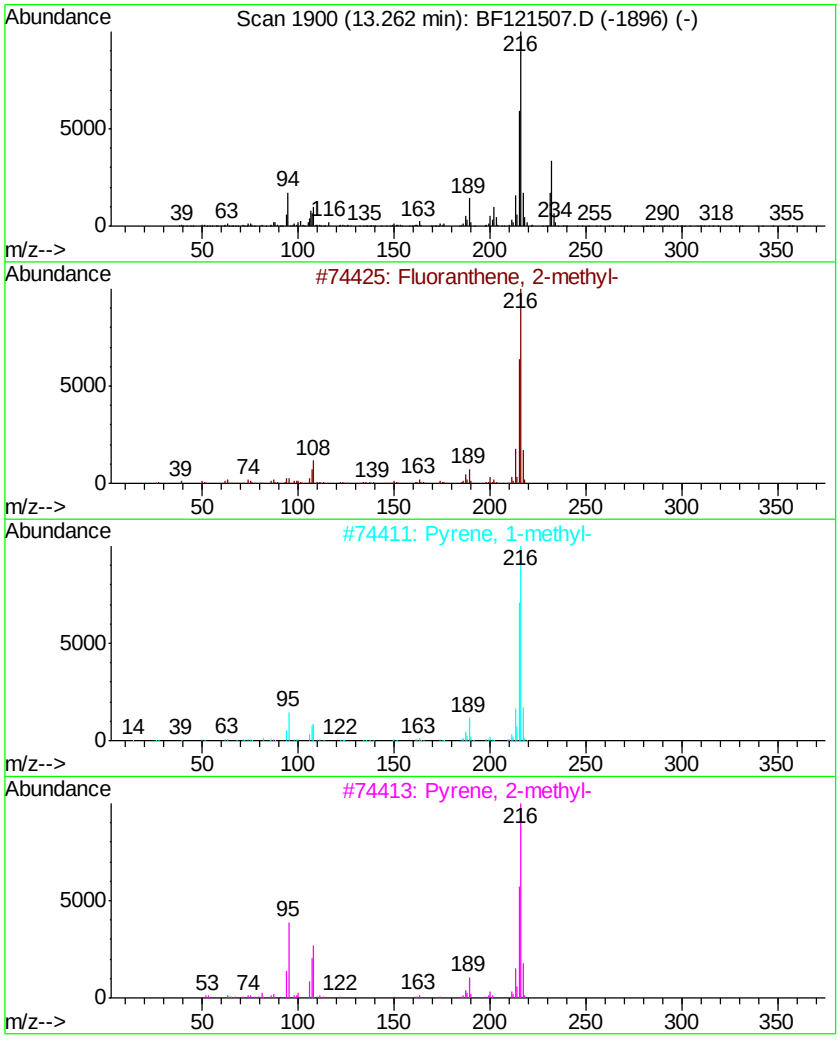
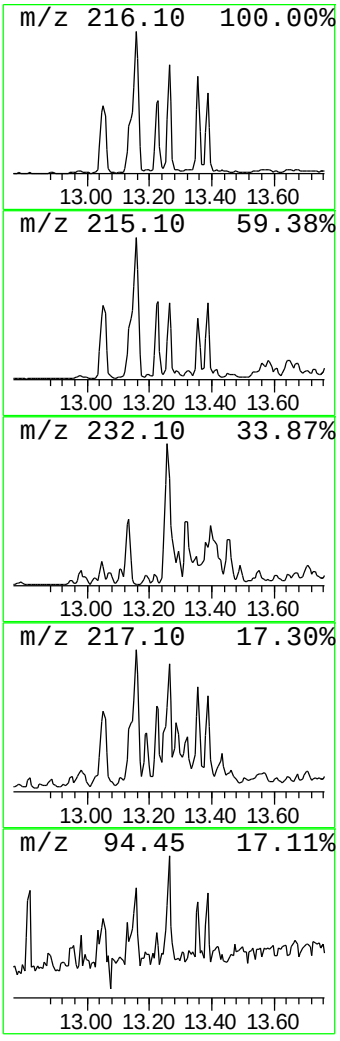
Peak Number 14 Fluoranthene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.26	3.39 ng	970827	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	86





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Sample : L3848-21 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-B

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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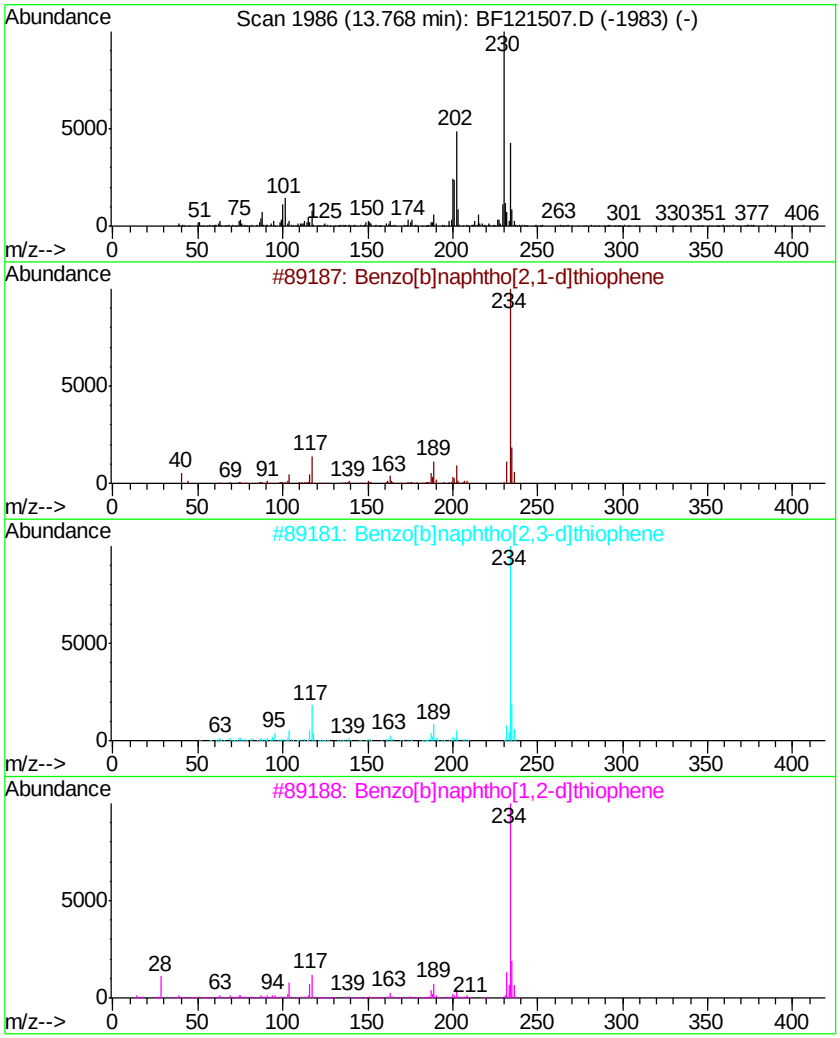
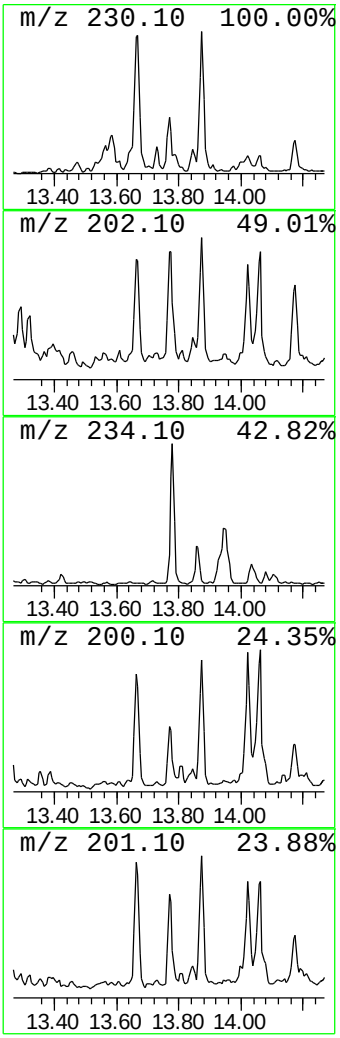
Peak Number 15 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	2.55 ng	728627	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	78
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	70
4	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	49
5	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	38





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Sample : L3848-21 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-B

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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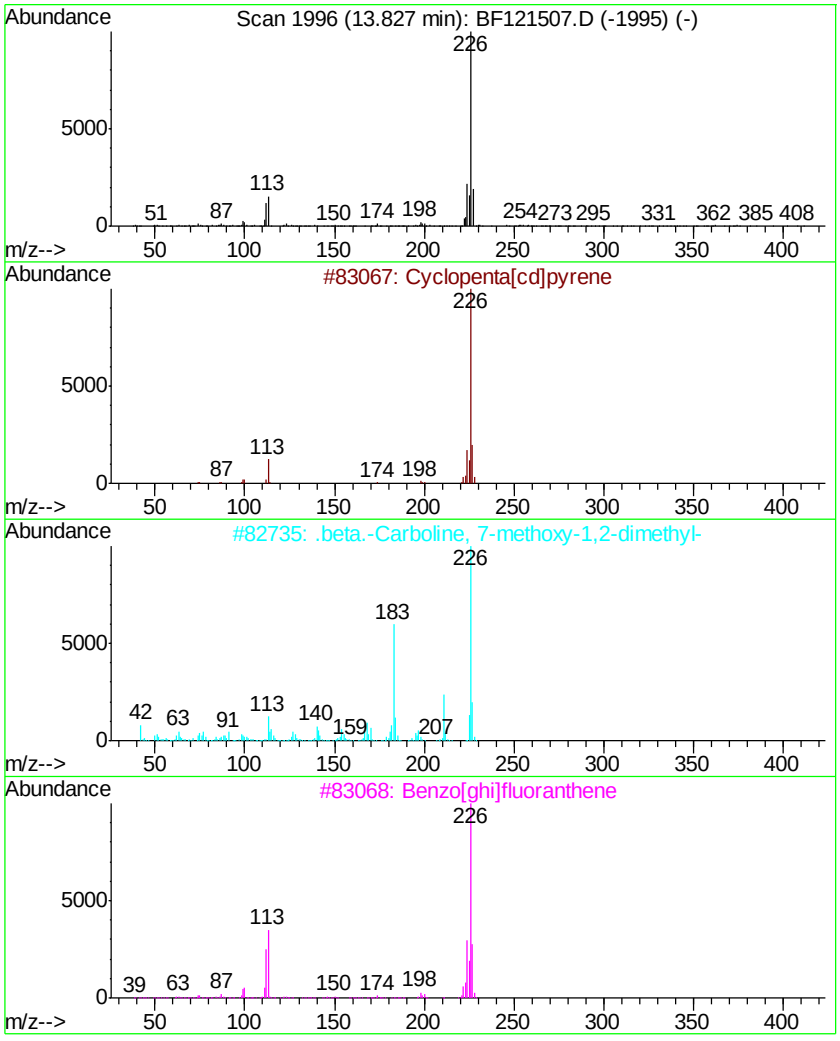
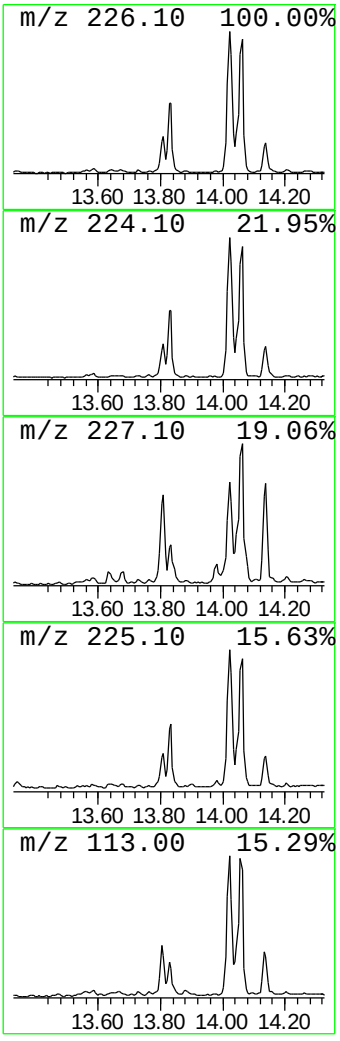
Peak Number 16 Cyclopenta[cd]pyrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	2.37 ng	678334	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	76
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	59
3	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	49
4	1,8-Diazacyclotetradecane-2,7-dione	226	C12H22N2O2	004266-66-4	47
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	40





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Data File : BF121507.D
Acq On : 1 Sep 2020 20:41
Operator : JU/CG
Sample : L3848-21 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-B

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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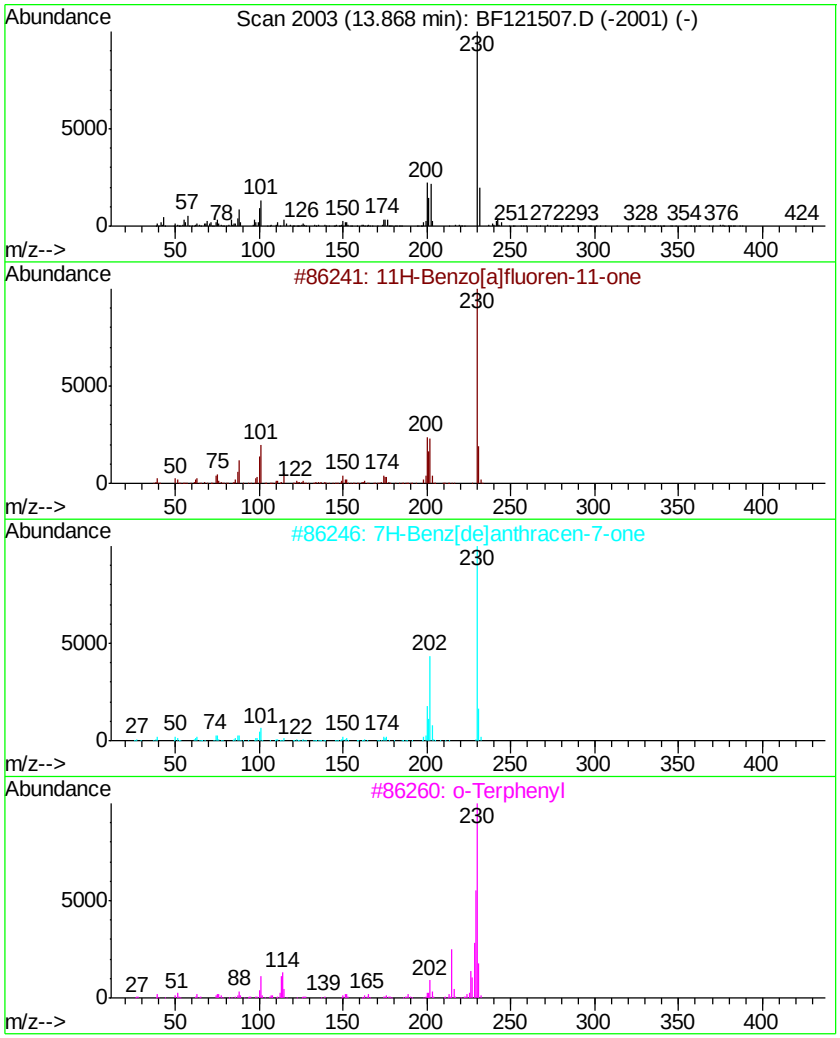
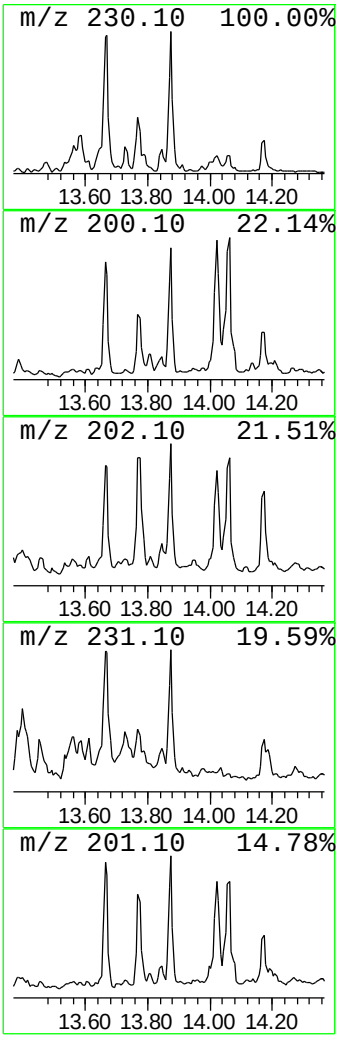
Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	3.55 ng	1016000	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	o-Terphenyl	230	C18H14	000084-15-1	50
4	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	50
5	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	42





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121507.D
Acq On : 1 Sep 2020 20:41
Operator : JU/CG
Sample : L3848-21 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-B

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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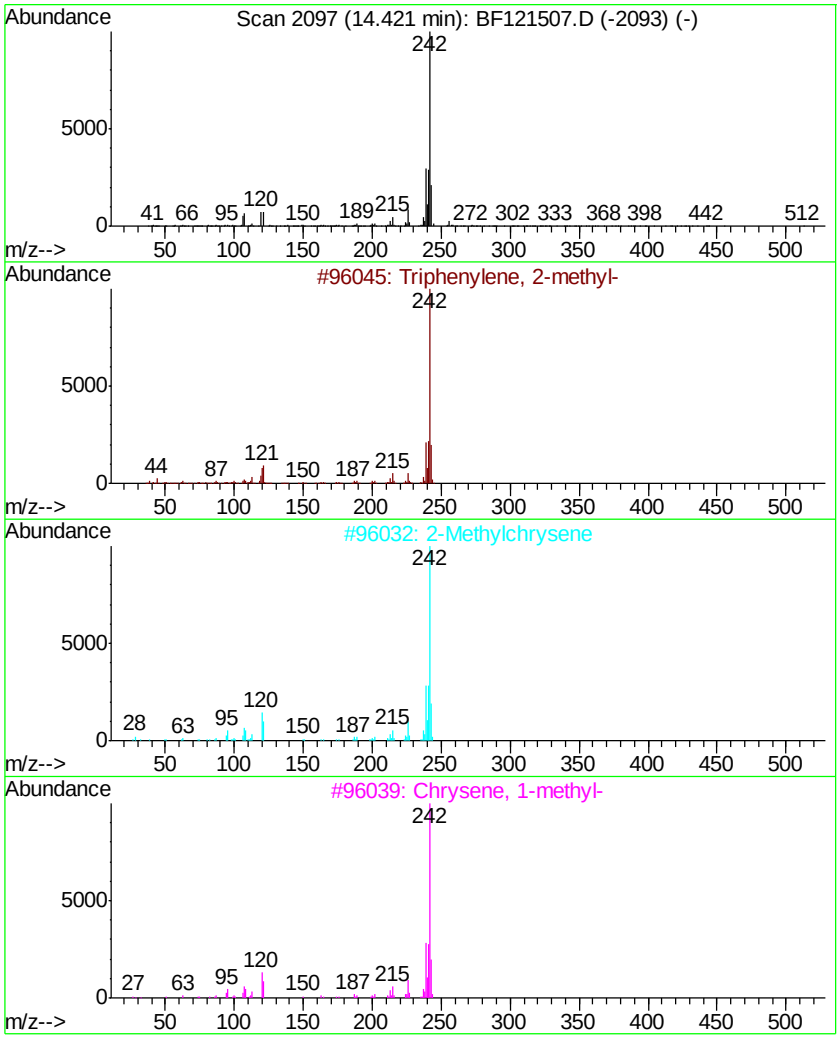
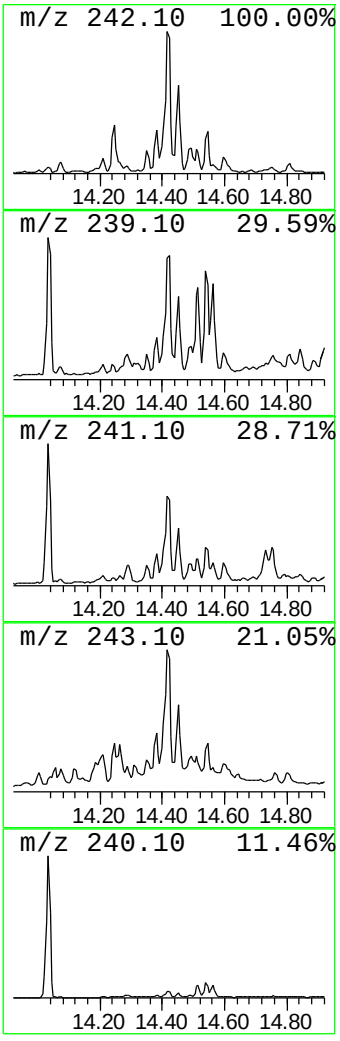
Peak Number 18 Triphenylene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	2.95 ng	844425	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	96
2	2-Methylchrysene	242	C19H14	003351-32-4	95
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	95
4	Chrysene, 5-methyl-	242	C19H14	003697-24-3	94
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93





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Data File : BF121507.D
Acq On : 1 Sep 2020 20:41
Operator : JU/CG
Sample : L3848-21 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-B

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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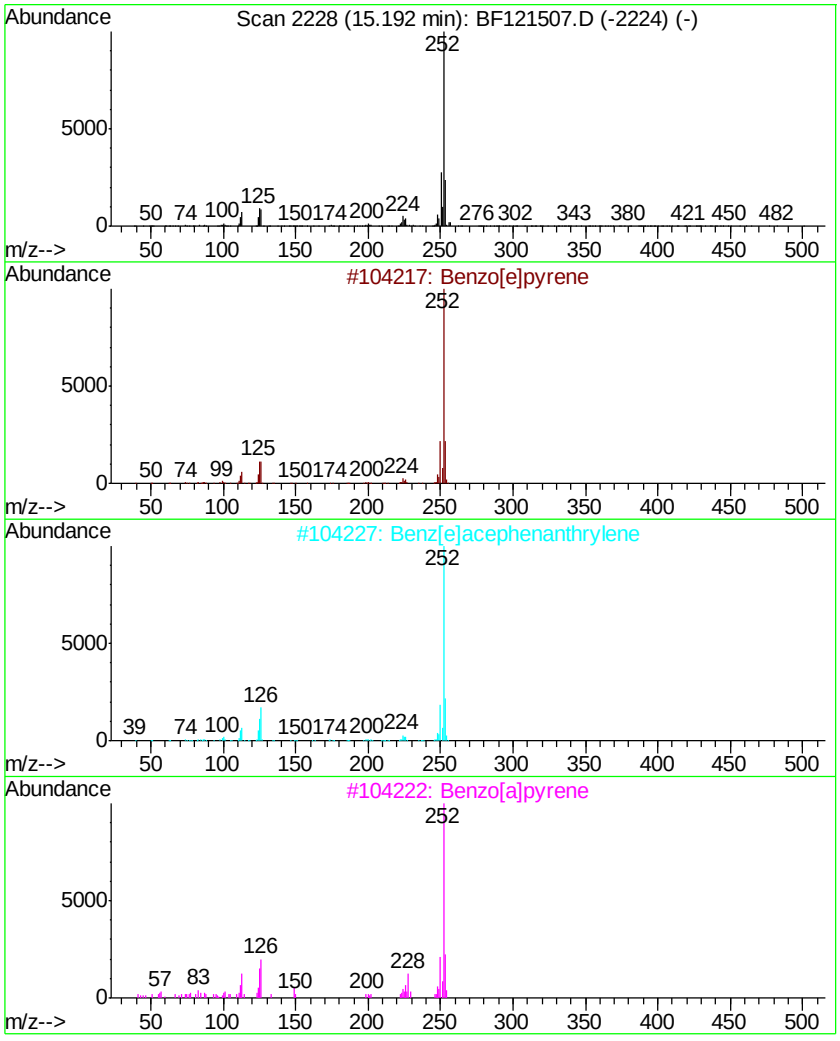
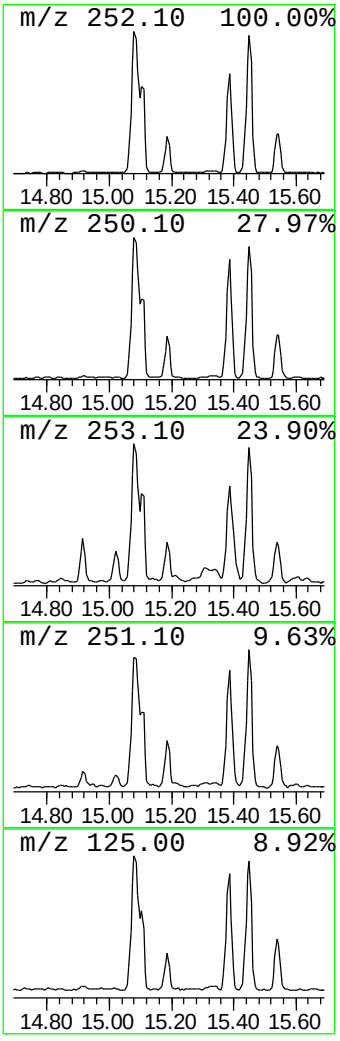
Peak Number 19 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	5.77 ng	589260	Perylene-d12	15.52

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	94
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090120\
Data File : BF121507.D
Acq On : 1 Sep 2020 20:41
Operator : JU/CG
Sample : L3848-21 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-B

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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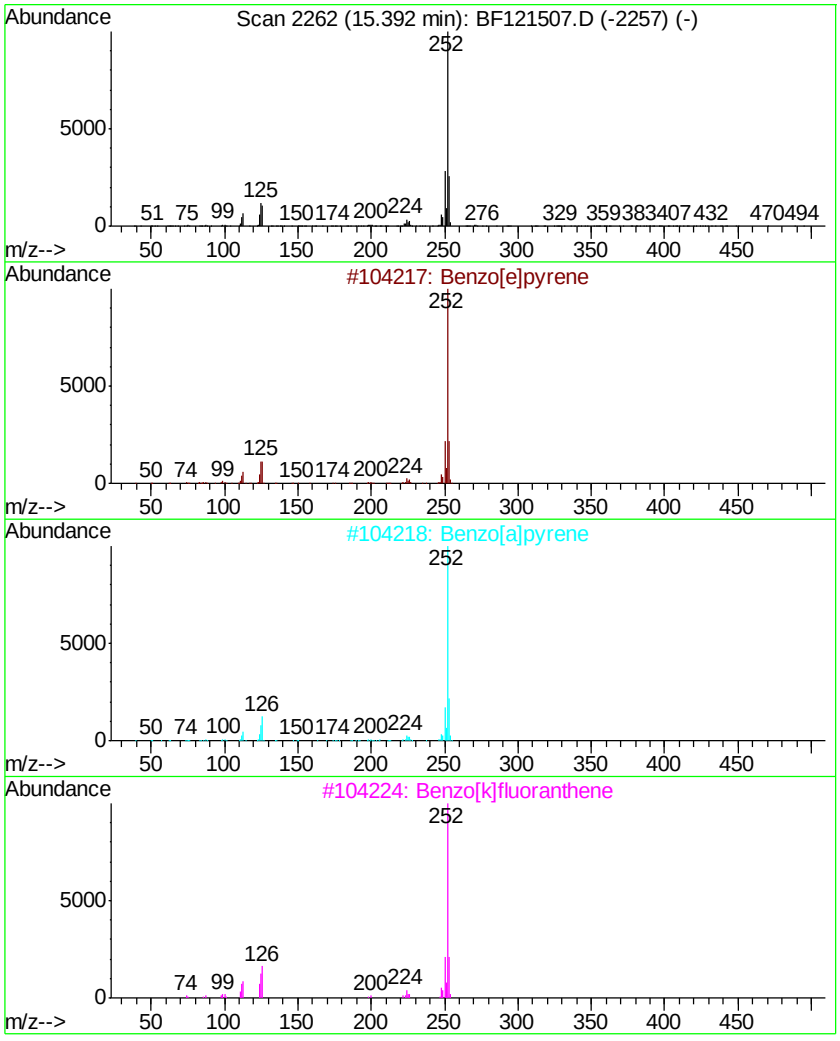
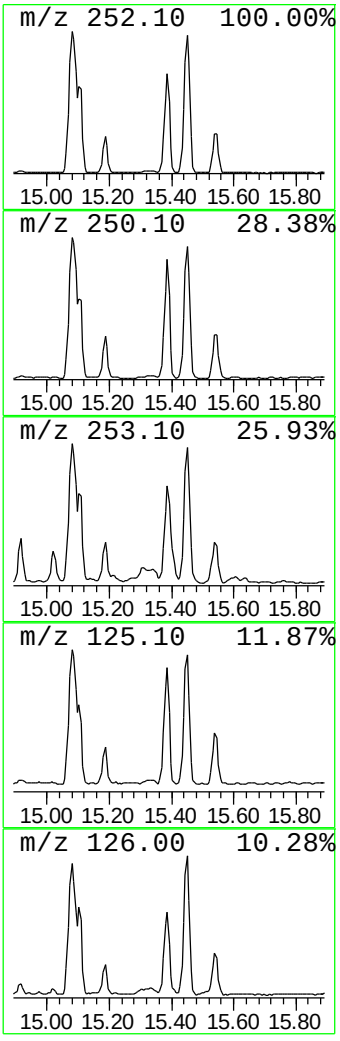
Peak Number 20 Benzo[j]fluoranthene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.39	20.10 ng	2051040	Perylene-d12	15.52

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	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
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 : BF121507.D
Acq On : 1 Sep 2020 20:41
Operator : JU/CG
Sample : L3848-21 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-BH-01-B

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
Butane, 2-methoxy...	2.12	12.4	ng	972940	1	6.86	1568420	20.0
Benzo[b]benzofura...	11.23	2.4	ng	271402	4	11.39	2256760	20.0
Anthracene, 2-met...	11.89	6.3	ng	716749	4	11.39	2256760	20.0
Phenanthrene, 2-m...	11.92	8.2	ng	928694	4	11.39	2256760	20.0
Phenanthrene, 1-m...	11.96	3.4	ng	387655	4	11.39	2256760	20.0
4H-Cyclopenta[def...	12.00	11.8	ng	1331640	4	11.39	2256760	20.0
1H-Indene, 2-phenyl-	12.02	3.5	ng	398104	4	11.39	2256760	20.0
Naphthalene, 2-ph...	12.19	3.8	ng	427903	4	11.39	2256760	20.0
Phenanthrene, 2,5...	12.44	5.8	ng	660539	4	11.39	2256760	20.0
unknown12.48	12.48	3.5	ng	392050	4	11.39	2256760	20.0
Cyclopenta(def)ph...	12.52	4.3	ng	482895	4	11.39	2256760	20.0
Pyrene, 1-methyl-	13.05	3.2	ng	905829	5	14.03	5719490	20.0
11H-Benzo[b]fluorene	13.16	3.2	ng	903306	5	14.03	5719490	20.0
Fluoranthene, 2-m...	13.26	3.4	ng	970827	5	14.03	5719490	20.0
Benzo[b]naphtho[2...	13.77	2.5	ng	728627	5	14.03	5719490	20.0
Cyclopenta[cd]pyrene	13.83	2.4	ng	678334	5	14.03	5719490	20.0
11H-Benzo[a]fluor...	13.87	3.5	ng	1016000	5	14.03	5719490	20.0
Triphenylene, 2-m...	14.42	3.0	ng	844425	5	14.03	5719490	20.0
Benzo[e]pyrene	15.19	5.8	ng	589260	6	15.52	2041050	20.0
Benzo[j]fluoranthene	15.39	20.1	ng	2051040	6	15.52	2041050	20.0