LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121484.D
Acq On : 31 Aug 2020 18:31
Operator : JU/CG
Sample : L3847-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-10-A

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

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

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-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	2.205	11	20	33	rVB	1274737	1948811	20.25%	1.278%
2	5.093	503	511	519	rBV	189216	263902	2.74%	0.173%
3	5.487	572	578	581	rBV	5721308	6346375	65.96%	4.161%
4	6.487	742	748	751	rBV	5859995	6583859	68.43%	4.316%
5	6.857	808	811	815	rBV	2300043	1867000	19.40%	1.224%
6	7.422	901	907	910	rBV	4613552	4615602	47.97%	3.026%
7	8.145	1024	1030	1032	rBV	2561045	2369105	24.62%	1.553%
8	8.163	1032	1033	1037	rVB	289392	174737	1.82%	0.115%
9	9.222	1207	1213	1216	rBV	8583420	7925037	82.37%	5.196%
10	9.557	1266	1270	1272	rBV	214829	199131	2.07%	0.131%
11	9.610	1276	1279	1286	rVB	407925	365851	3.80%	0.240%
12	9.757	1301	1304	1308	rVB	390073	307718	3.20%	0.202%
13	9.898	1322	1328	1331	rBV	3006225	2577502	26.79%	1.690%
14	9.928	1331	1333	1337	rVB	572554	506868	5.27%	0.332%
15	10.098	1359	1362	1366	rVV	432823	410308	4.26%	0.269%
16	10.304	1393	1397	1399	rBV	152467	191567	1.99%	0.126%
17	10.445	1417	1421	1426	rBV	705313	653607	6.79%	0.429%
18	10.598	1445	1447	1453	rVB	248346	270314	2.81%	0.177%
19	10.686	1456	1462	1466	rVV	5005455	4639003	48.21%	3.041%
20	10.733	1466	1470	1473	rVV3	125846	186542	1.94%	0.122%
21	10.810	1477	1483	1490	rVB2	209717	303404	3.15%	0.199%
22	10.992	1507	1514	1517	rBV3	297277	421156	4.38%	0.276%
23	11.022	1517	1519	1522	rVV2	185291	186259	1.94%	0.122%
24	11.122	1531	1536	1538	rBV3	212183	290491	3.02%	0.190%
25	11.145	1538	1540	1544	rVV	234920	244122	2.54%	0.160%
26	11.186	1544	1547	1551	rVB2	246333	239003	2.48%	0.157%
27	11.245	1551	1557	1560	rBV4	230395	456033	4.74%	0.299%
28	11.280	1560	1563	1568	rVB	443870	418729	4.35%	0.275%
29	11.386	1577	1581	1583	rBV	2550291	2619220	27.22%	1.717%
30	11.410	1583	1585	1588	rVV	6204464	5369285	55.80%	3.520%
31	11.457	1588	1593	1596	rVV	1894964	1854693	19.28%	1.216%
32	11.492	1596	1599	1602	rVB2	237898	229185	2.38%	0.150%
33	11.610	1613	1619	1622	rBV2	512186	575212	5.98%	0.377%
34	11.680	1629	1631	1634	rBV	331995	247543	2.57%	0.162%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121484.D
Acq On : 31 Aug 2020 18:31
Operator : JU/CG
Sample : L3847-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-10-A

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

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

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

35	11.716	1634	1637	1642	rVB2	259281	227154	2.36%	0.149%
36	11.886	1660	1666	1668	rBV	1483196	1307187	13.59%	0.857%
37	11.916	1668	1671	1675	rVV	2401040	2136426	22.20%	1.401%
38	11.963	1675	1679	1681	rVV	734944	714014	7.42%	0.468%
39	11.998	1681	1685	1687	rVV	2078278	2215077	23.02%	1.452%
40	12.022	1687	1689	1693	rVB	1064916	829876	8.63%	0.544%
41	12.180	1713	1716	1718	rBV	946875	758512	7.88%	0.497%
42	12.204	1718	1720	1723	rVB2	470791	395821	4.11%	0.259%
43	12.327	1739	1741	1744	rVB	345742	308323	3.20%	0.202%
44	12.363	1744	1747	1749	rBV	327859	266442	2.77%	0.175%
45	12.386	1749	1751	1753	rVB	289801	222783	2.32%	0.146%
46	12.439	1756	1760	1762	rBV	799939	911831	9.48%	0.598%
47	12.474	1762	1766	1768	rVV2	510373	500223	5.20%	0.328%
48	12.522	1771	1774	1779	rVB2	586861	683258	7.10%	0.448%
49	12.604	1783	1788	1791	rBV	8008155	8005162	83.20%	5.248%
50	12.698	1801	1804	1806	rVV2	295916	265719	2.76%	0.174%
51	12.727	1806	1809	1811	rBV2	187795	213912	2.22%	0.140%
52	12.751	1811	1813	1817	rVV	304008	285076	2.96%	0.187%
53	12.833	1821	1827	1832	rBV2	7183694	9621630	100.00%	6.308%
54	12.874	1832	1834	1839	rVB2	459410	577569	6.00%	0.379%
55	12.945	1843	1846	1847	rBV2	550579	451322	4.69%	0.296%
56	12.974	1847	1851	1857	rVB	7348551	7266935	75.53%	4.764%
57	13.045	1858	1863	1866	rBV2	831914	1282313	13.33%	0.841%
58	13.104	1870	1873	1875	rBV2	167308	182790	1.90%	0.120%
59	13.133	1875	1878	1879	rBV2	587838	611948	6.36%	0.401%
60	13.157	1879	1882	1885	rVB	1582936	1511967	15.71%	0.991%
61	13.221	1890	1893	1896	rVB	1055068	856470	8.90%	0.561%
62	13.257	1896	1899	1902	rBV2	1239352	1268077	13.18%	0.831%
63	13.286	1902	1904	1907	rVB	347224	296922	3.09%	0.195%
64	13.316	1907	1909	1911	rBV	235524	179078	1.86%	0.117%
65	13.351	1912	1915	1918	rVB	742108	598983	6.23%	0.393%
66	13.380	1918	1920	1924	rBV	809476	727288	7.56%	0.477%
67	13.457	1930	1933	1938	rVB4	420638	504150	5.24%	0.331%
68	13.533	1943	1946	1947	rBV2	207570	231352	2.40%	0.152%
69	13.557	1947	1950	1952	rVV3	324290	436246	4.53%	0.286%
70	13.663	1961	1968	1972	rBV2	710781	1069859	11.12%	0.701%
71	13.774	1982	1987	1990	rBV3	772979	1132121	11.77%	0.742%

LSC Area Percent Report

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Operator : JU/CG
Sample : L3847-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-10-A

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

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Peak separation: 5

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

72	13.804	1990	1992	1994	rVV	1016607	864170	8.98%	0.567%
73	13.827	1994	1996	2000	rVV2	740307	1015961	10.56%	0.666%
74	13.868	2000	2003	2010	rVB3	1720898	2011030	20.90%	1.318%
75	14.021	2022	2029	2032	rBV3	5266506	7501814	77.97%	4.918%
76	14.057	2032	2035	2040	rVB	4407566	4288367	44.57%	2.811%
77	14.133	2046	2048	2050	rVV	760564	531452	5.52%	0.348%
78	14.251	2064	2068	2071	rBV3	335612	516627	5.37%	0.339%
79	14.280	2071	2073	2076	rVB	289269	209112	2.17%	0.137%
80	14.374	2087	2089	2091	rBV	330089	285423	2.97%	0.187%
81	14.410	2091	2095	2098	rVV	1147715	1334053	13.87%	0.875%
82	14.445	2098	2101	2104	rVV	705954	680368	7.07%	0.446%
83	14.504	2108	2111	2114	rVV2	1183536	1411051	14.67%	0.925%
84	14.533	2114	2116	2118	rVV	679337	709472	7.37%	0.465%
85	14.557	2118	2120	2123	rVV3	699192	715386	7.44%	0.469%
86	14.610	2124	2129	2135	rVB3	414056	729304	7.58%	0.478%
87	14.716	2144	2147	2150	rBV3	316578	407118	4.23%	0.267%
88	14.804	2159	2162	2165	rBV4	221945	341876	3.55%	0.224%
89	15.074	2202	2208	2211	rBV	3191392	5625845	58.47%	3.688%
90	15.151	2218	2221	2223	rBV2	287883	355913	3.70%	0.233%
91	15.174	2223	2225	2231	rVB	1150057	1183607	12.30%	0.776%
92	15.374	2255	2259	2265	rVB	2124575	2927709	30.43%	1.919%
93	15.439	2265	2270	2275	rBV	3133708	4166530	43.30%	2.732%
94	15.498	2276	2280	2283	rVV	1498492	2019664	20.99%	1.324%
95	15.533	2283	2286	2292	rVB2	1116714	1519314	15.79%	0.996%
96	15.980	2358	2362	2366	rBV3	329866	487282	5.06%	0.319%
97	16.027	2367	2370	2373	rBV2	292126	405001	4.21%	0.266%
98	16.968	2524	2530	2538	rVB2	1329439	2666161	27.71%	1.748%
99	17.145	2556	2560	2564	rBV	235541	451562	4.69%	0.296%
100	17.409	2599	2605	2620	rVB	995947	2260892	23.50%	1.482%

Sum of corrected areas: 152533054

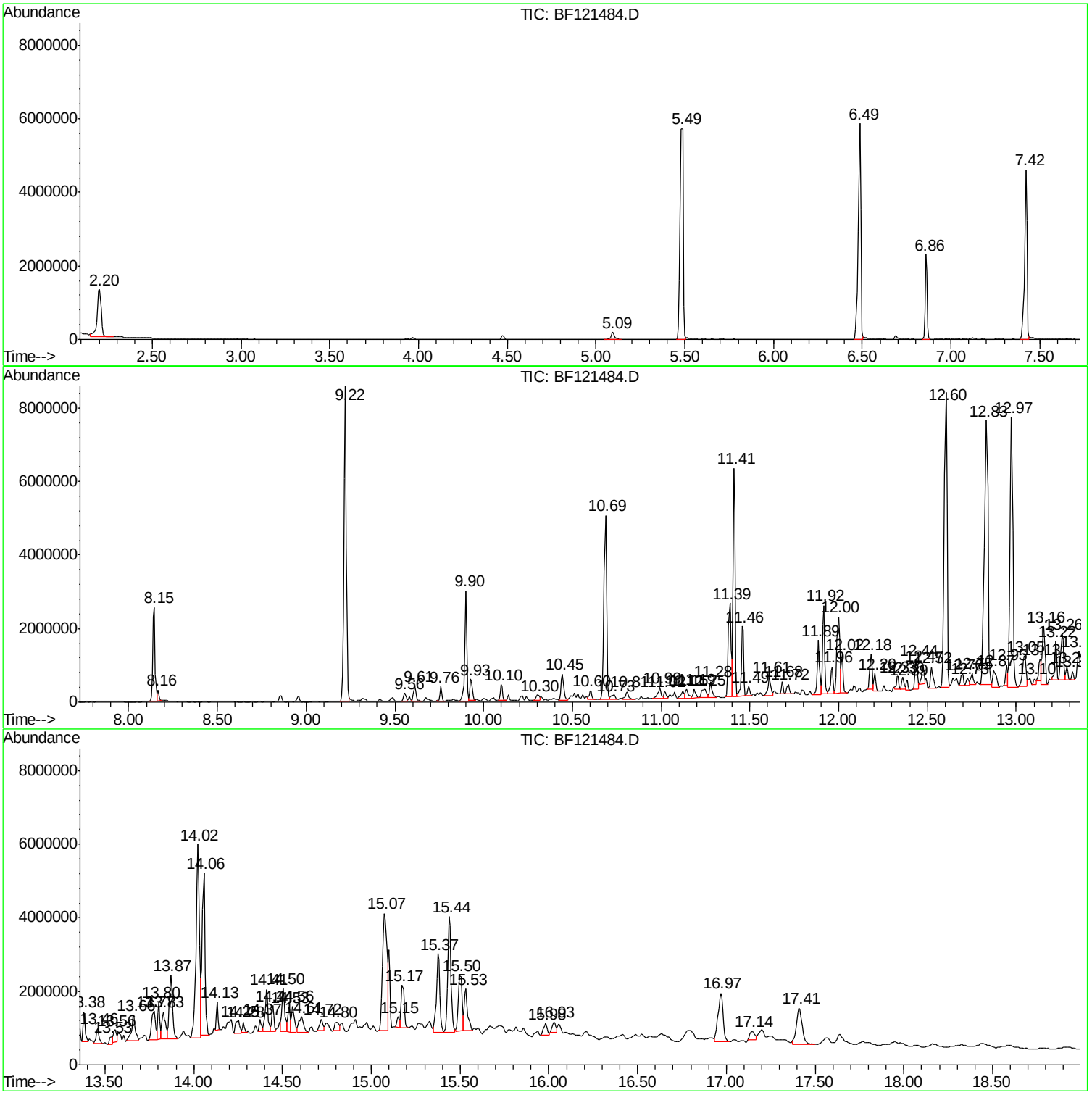
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121484.D
Acq On : 31 Aug 2020 18:31
Operator : JU/CG
Sample : L3847-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-10-A

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\BF083120\
Data File : BF121484.D
Acq On : 31 Aug 2020 18:31
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Sample : L3847-13
Misc :
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Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-10-A

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

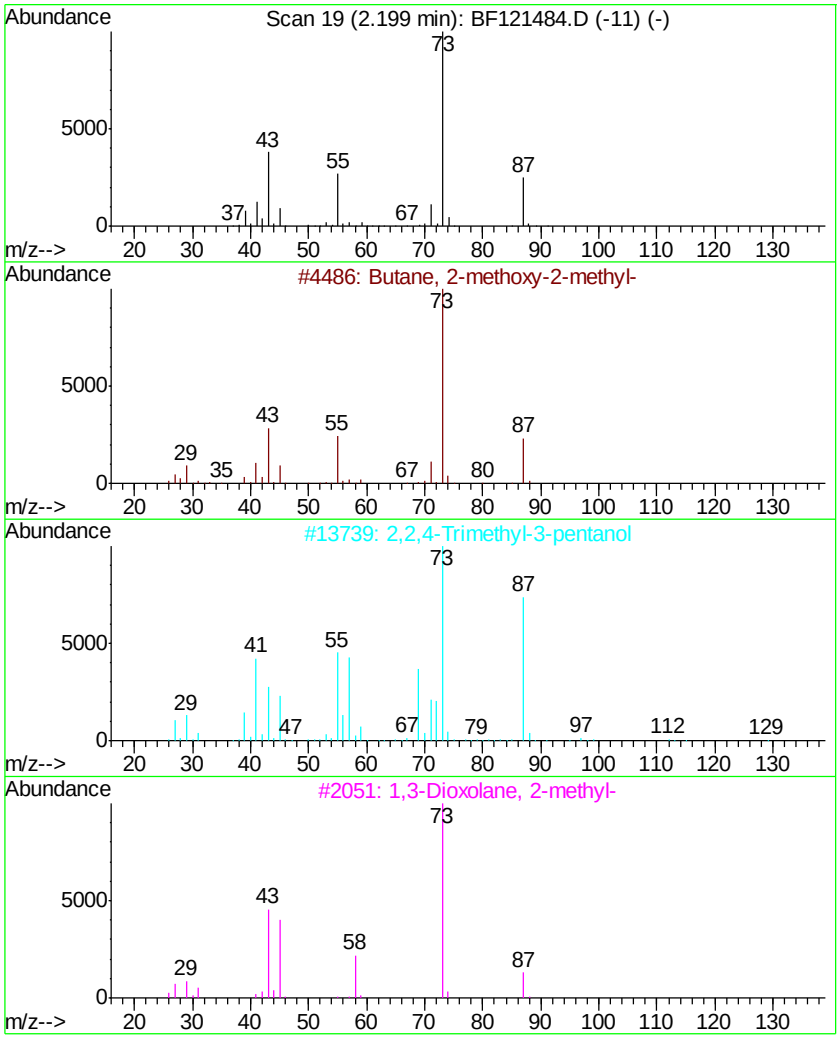
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

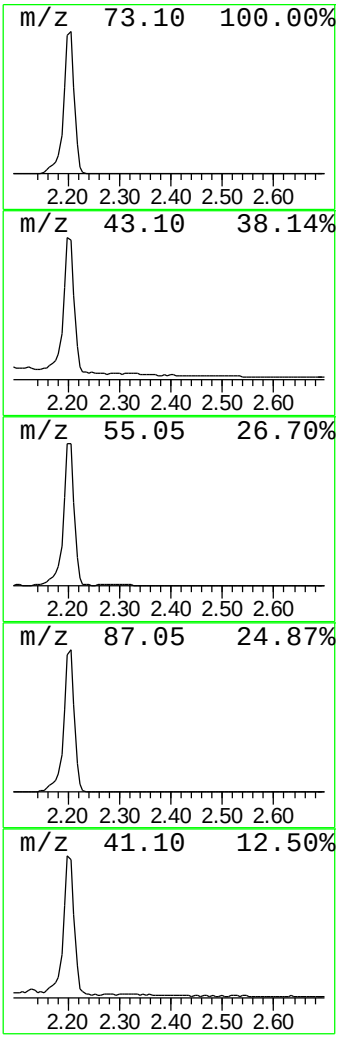
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.20	20.88 ng	1948810	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	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	12





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-10-A

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

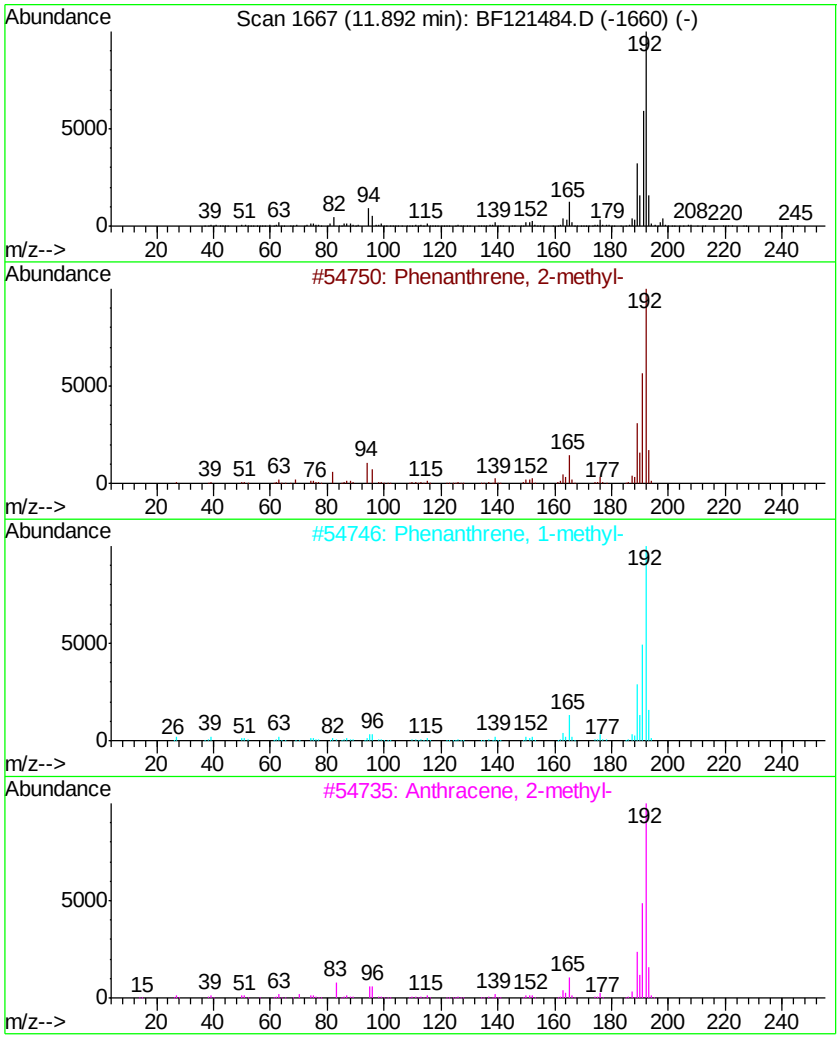
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

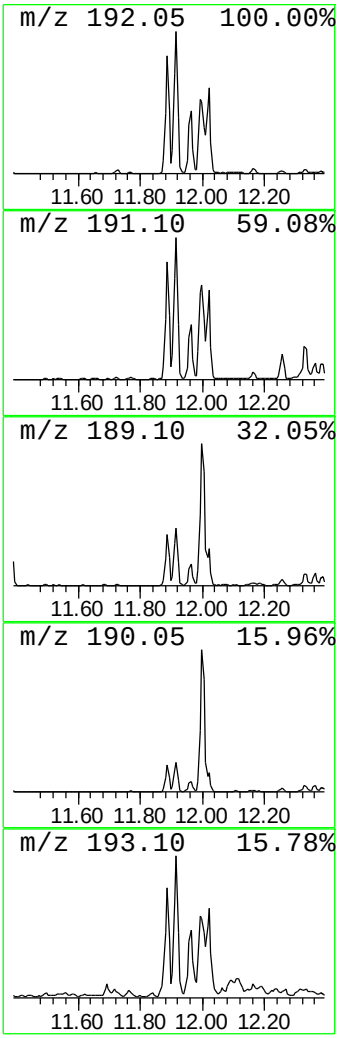
****

Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	9.98 ng	1307190	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	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
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Instrument :
BNA_F
ClientSampleId :
LINDEN-JOP-BH-10-A

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

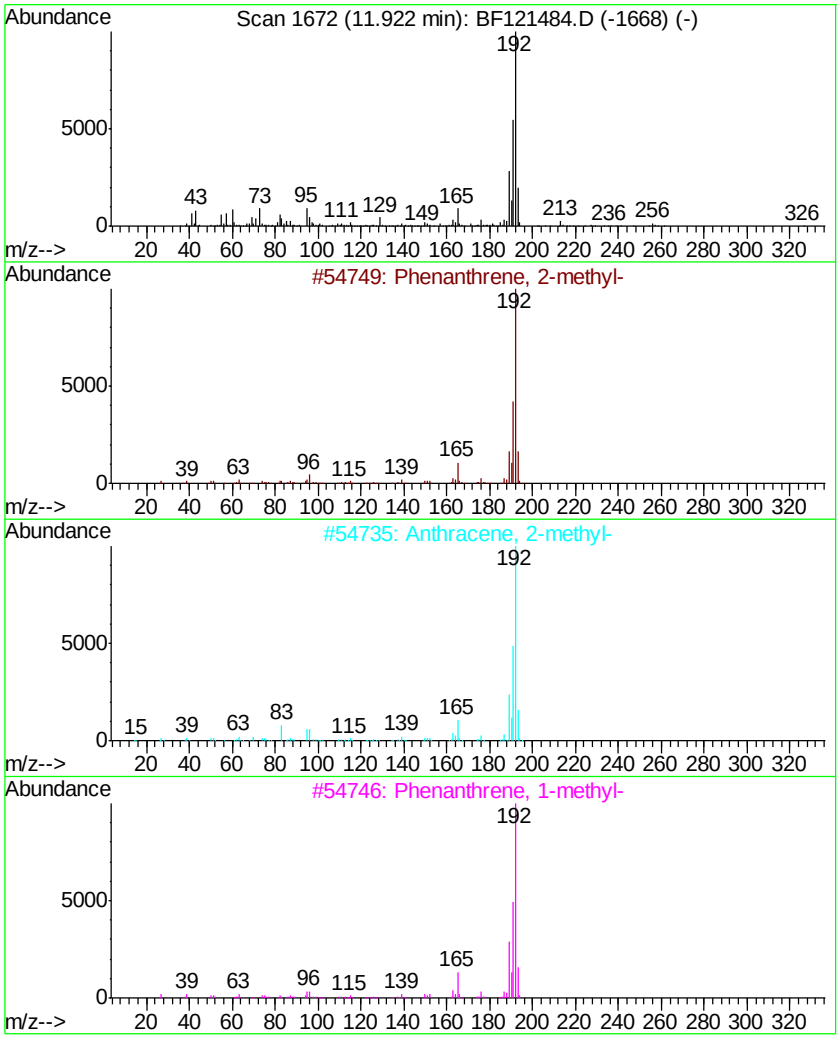
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

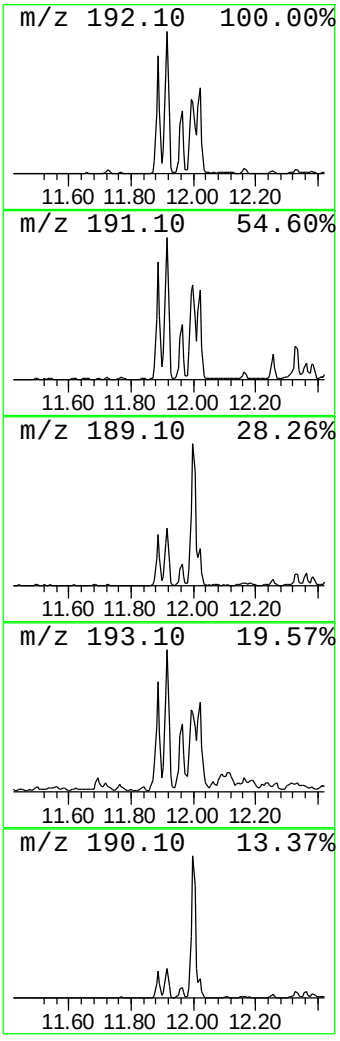
****

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	16.31 ng	2136430	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	97
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

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Data File : BF121484.D
Acq On : 31 Aug 2020 18:31
Operator : JU/CG
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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-10-A

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

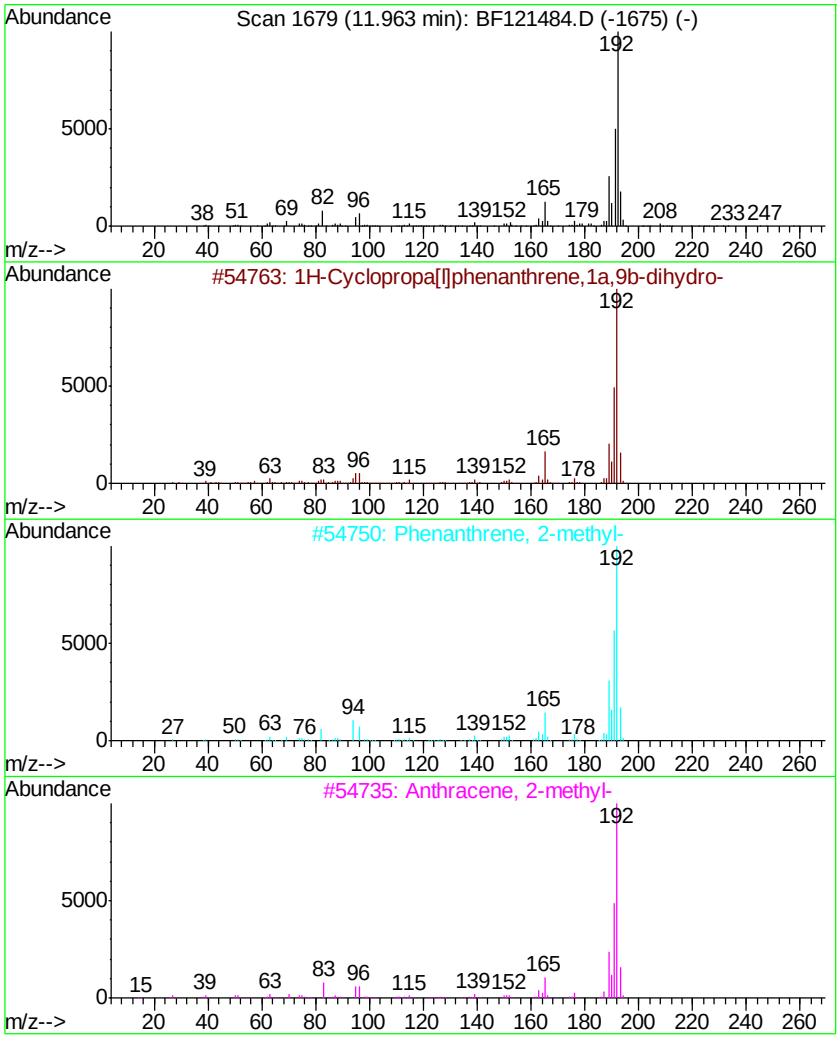
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

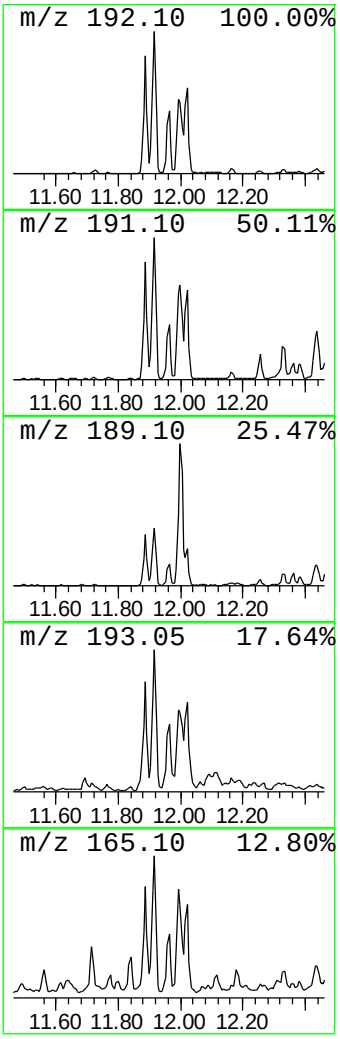
****

Peak Number 4 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	5.45 ng	714014	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121484.D
Acq On : 31 Aug 2020 18:31
Operator : JU/CG
Sample : L3847-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-10-A

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

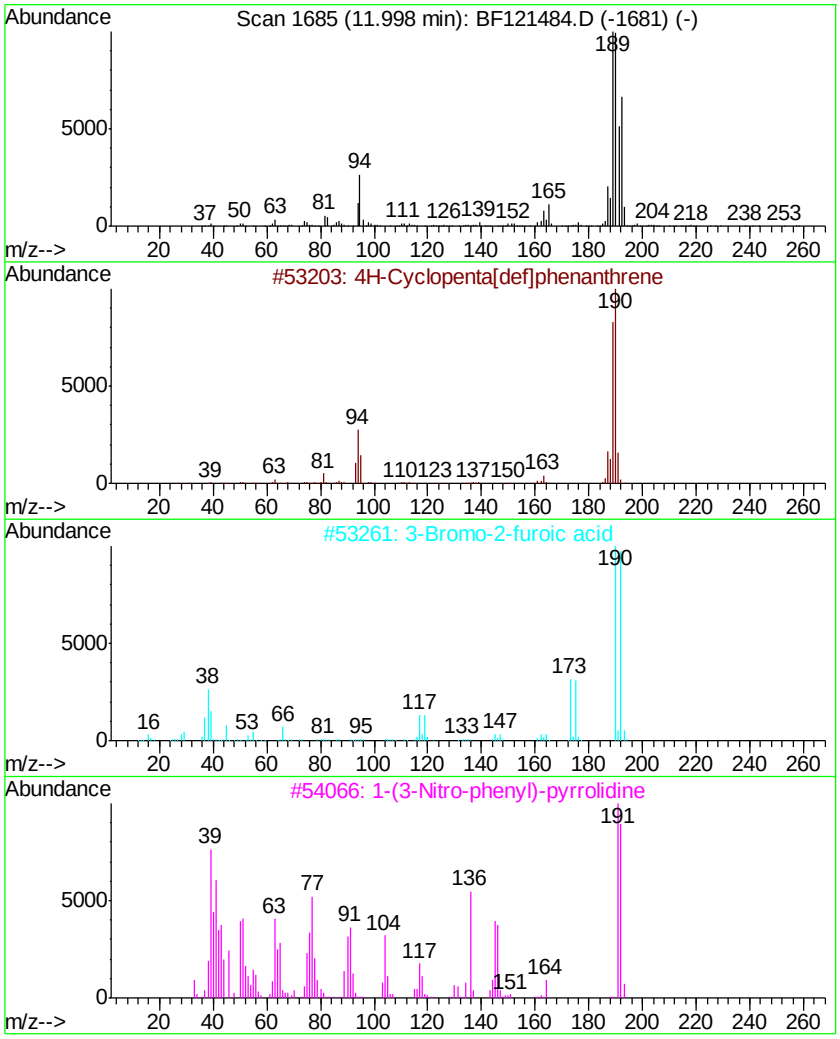
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

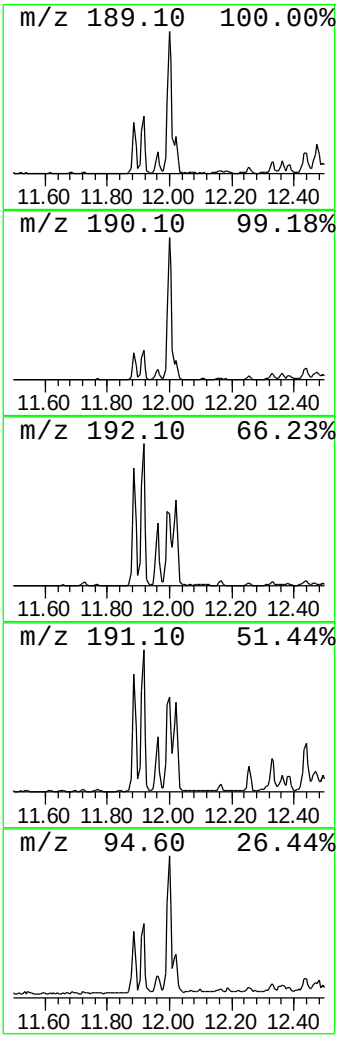
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	16.91 ng	2215080	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	3-Bromo-2-furoic acid	190	C5H3BrO3	014903-90-3	27
3	1-(3-Nitro-phenyl)-pyrrolidine	192	C10H12N2O2	1000300-34-7	25
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	25
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	20





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Operator : JU/CG
Sample : L3847-13
Misc :
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Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-10-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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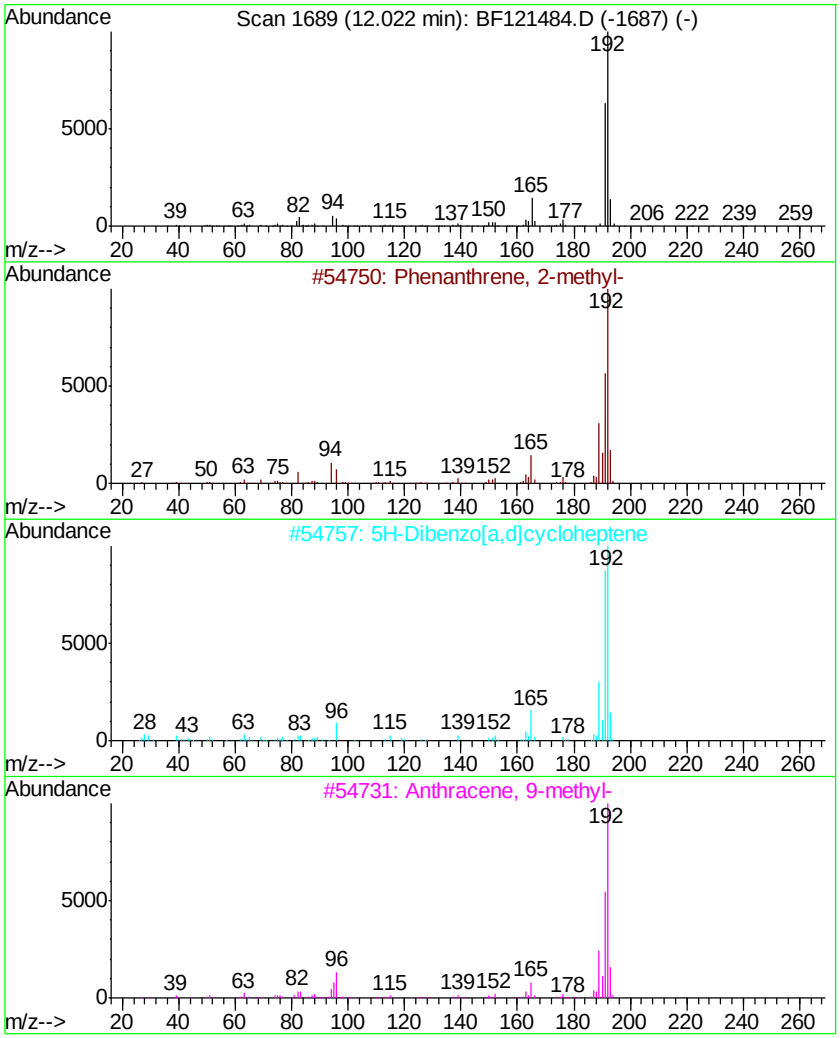
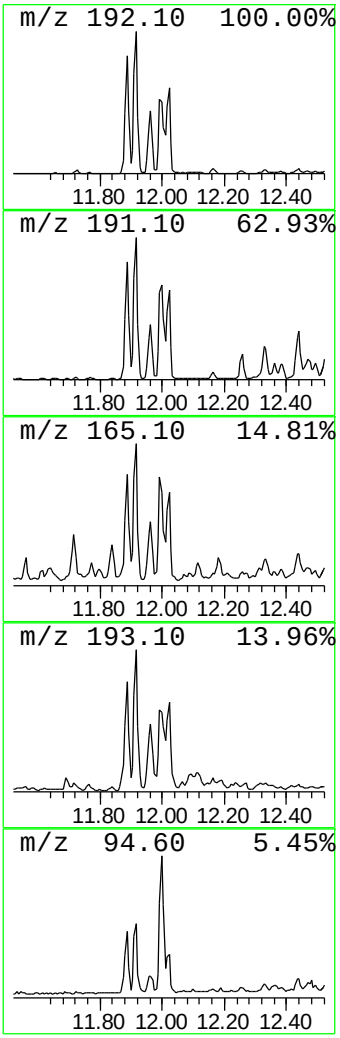
Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	6.34 ng	829876	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	90
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90





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Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-10-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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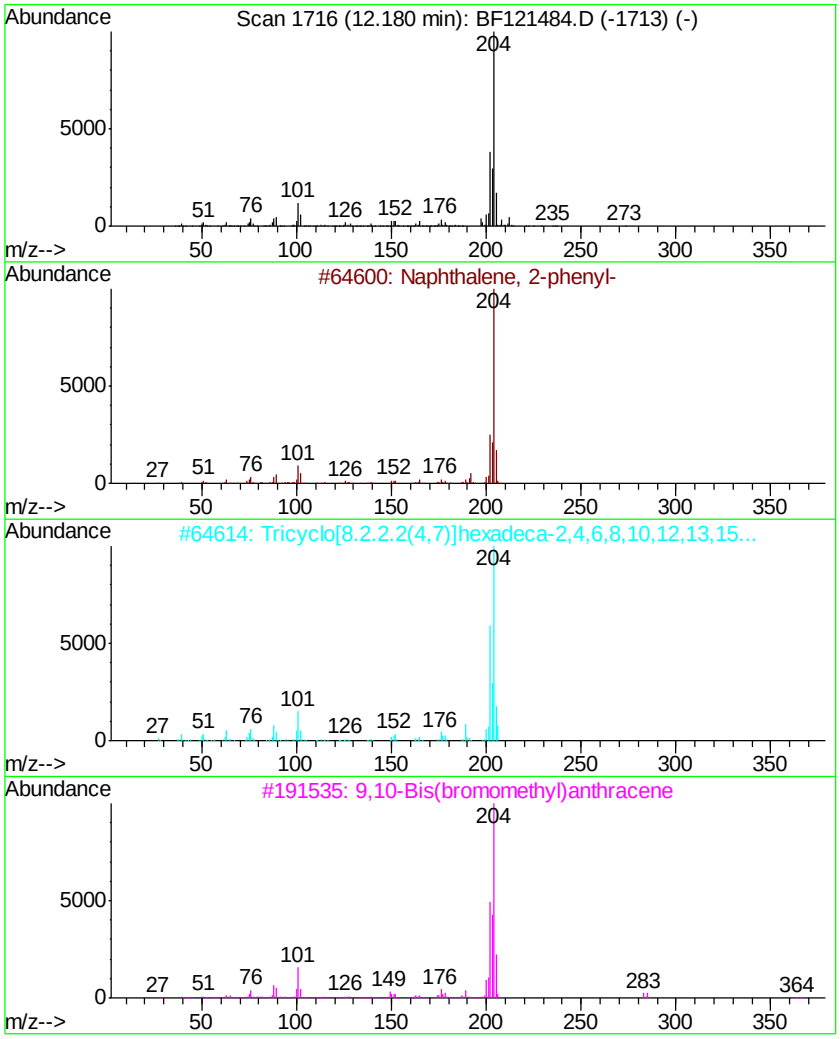
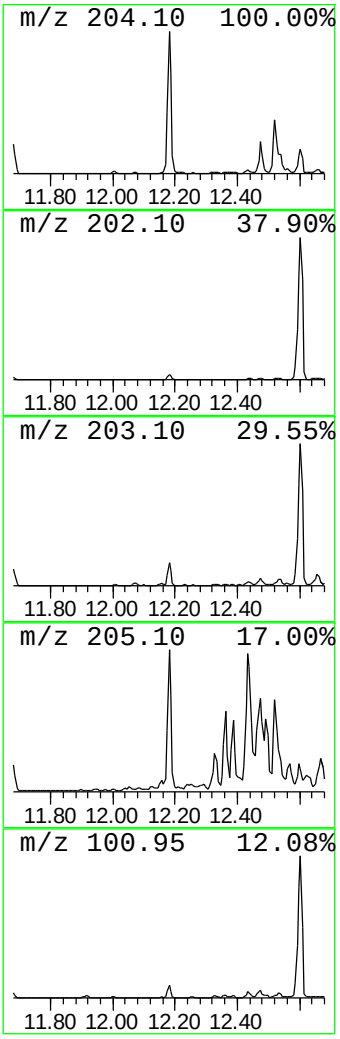
Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	5.79 ng	758512	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
4	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	53
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50





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ClientSampleId : LINDEN-JOP-BH-10-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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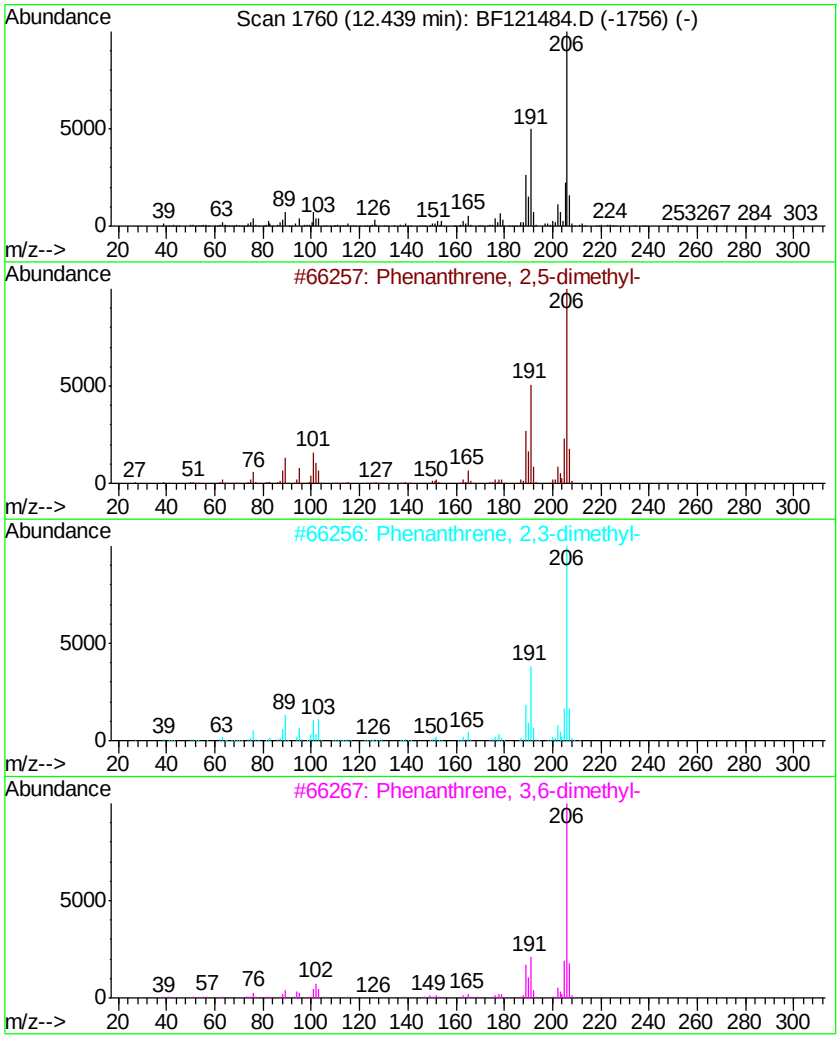
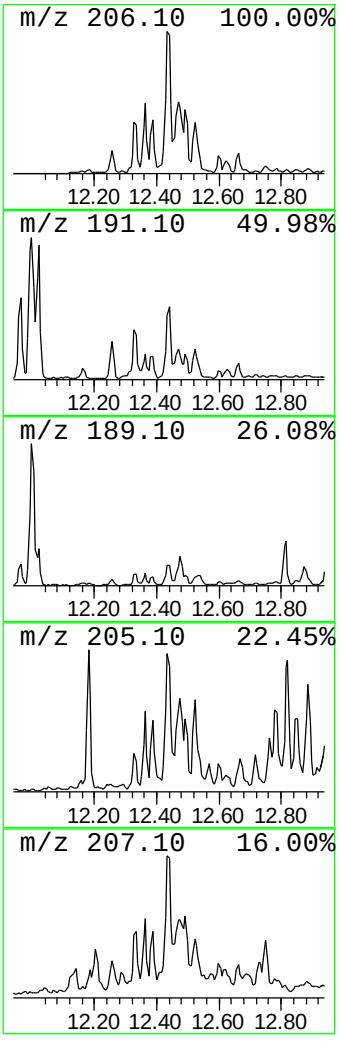
Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	6.96 ng	911831	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86





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ClientSampleId : LINDEN-JOP-BH-10-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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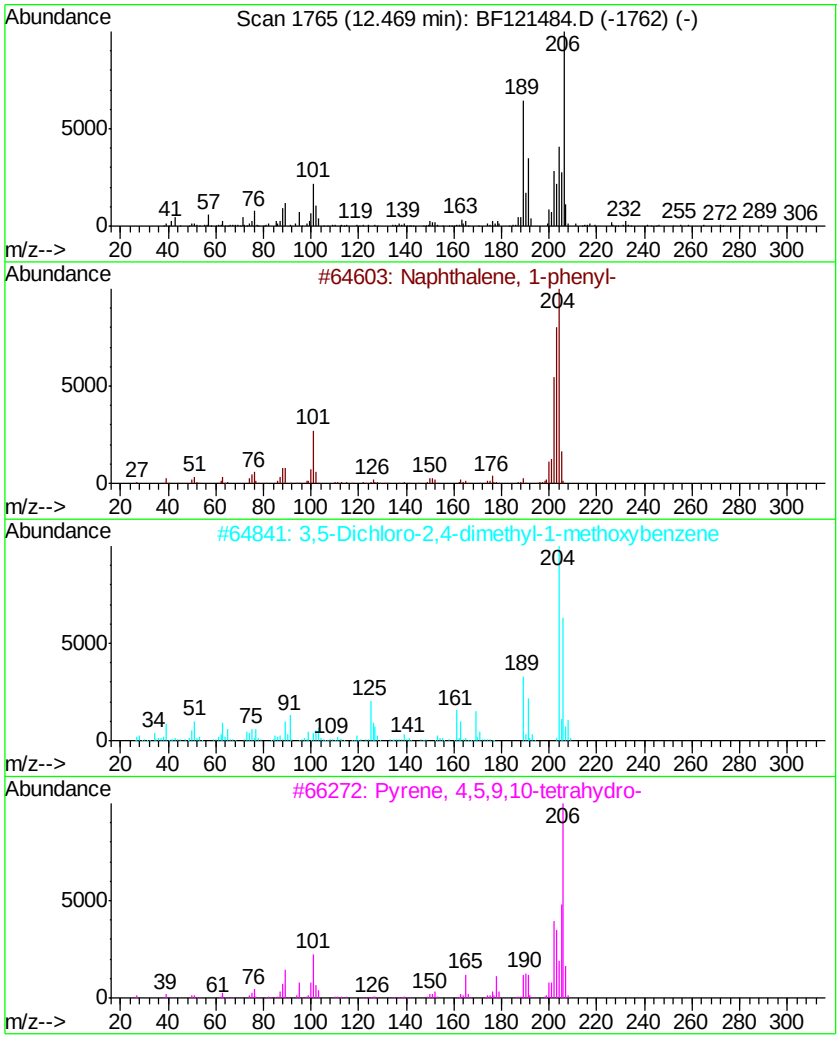
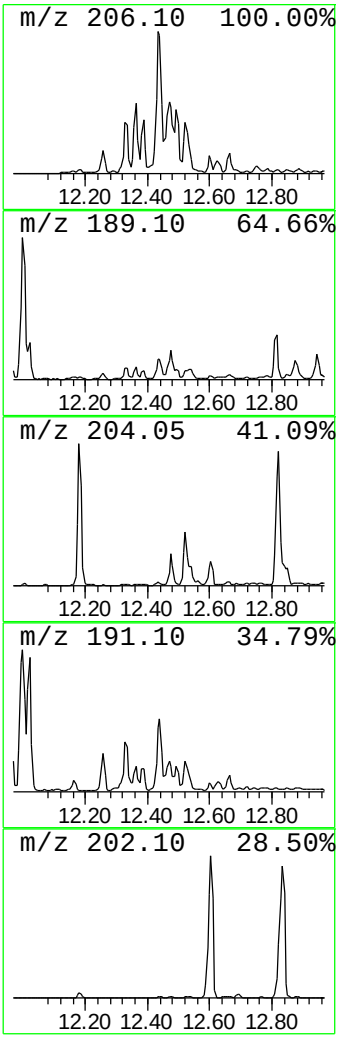
Peak Number 9 unknown12.47 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	3.82 ng	500223	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	44
2	3,5-Dichloro-2,4-dimethyl-1-meth...	204	C9H10Cl2O	1000250-17-8	43
3	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
5	Pyrazolo[5,1-c][1,2,4]-triazine-...	206	C8H10N6O	1000264-44-8	38





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ClientSampleId : LINDEN-JOP-BH-10-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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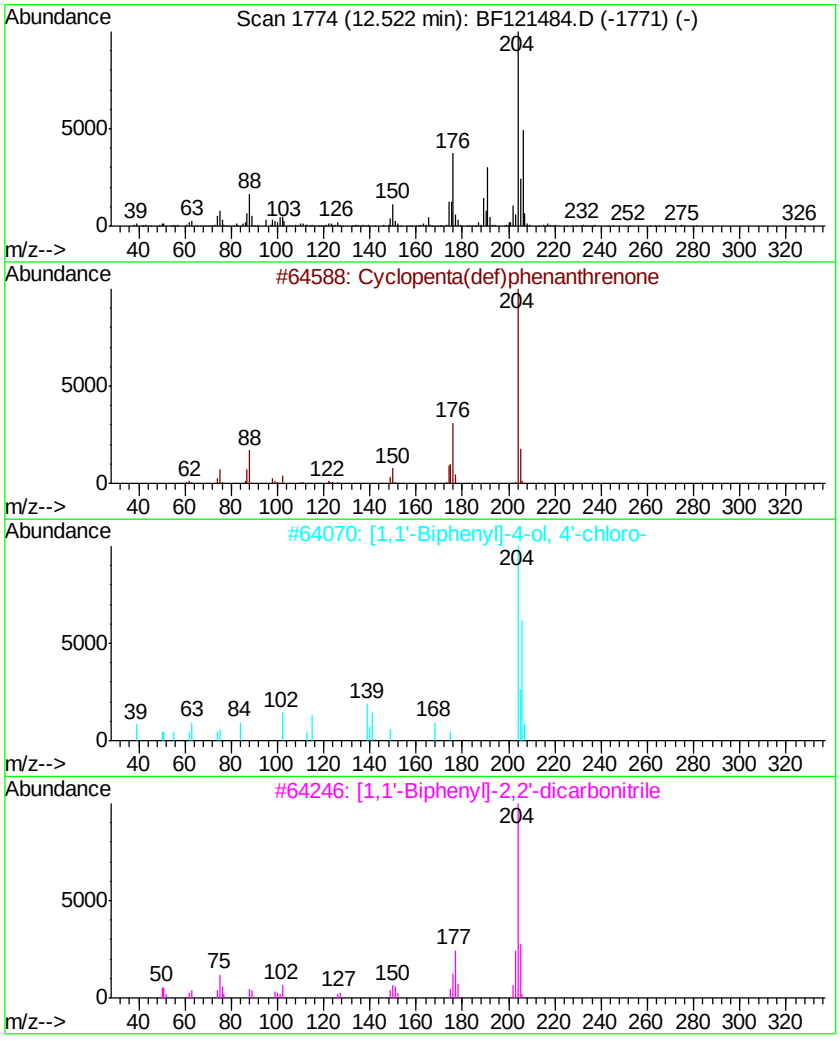
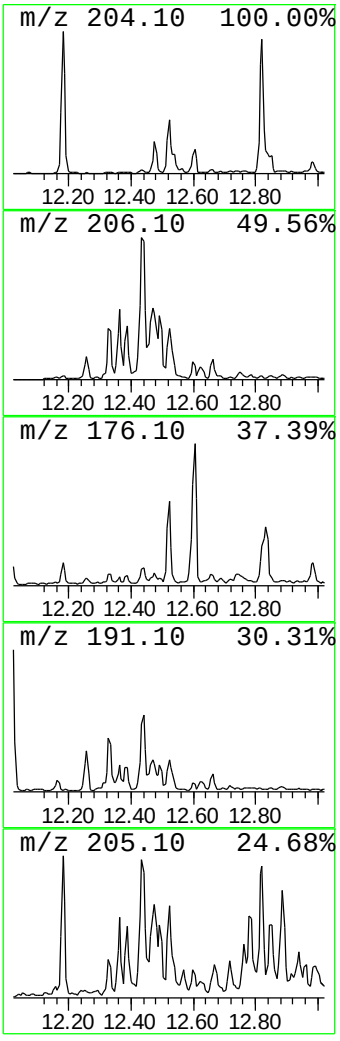
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	5.22 ng	683258	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	49
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	37





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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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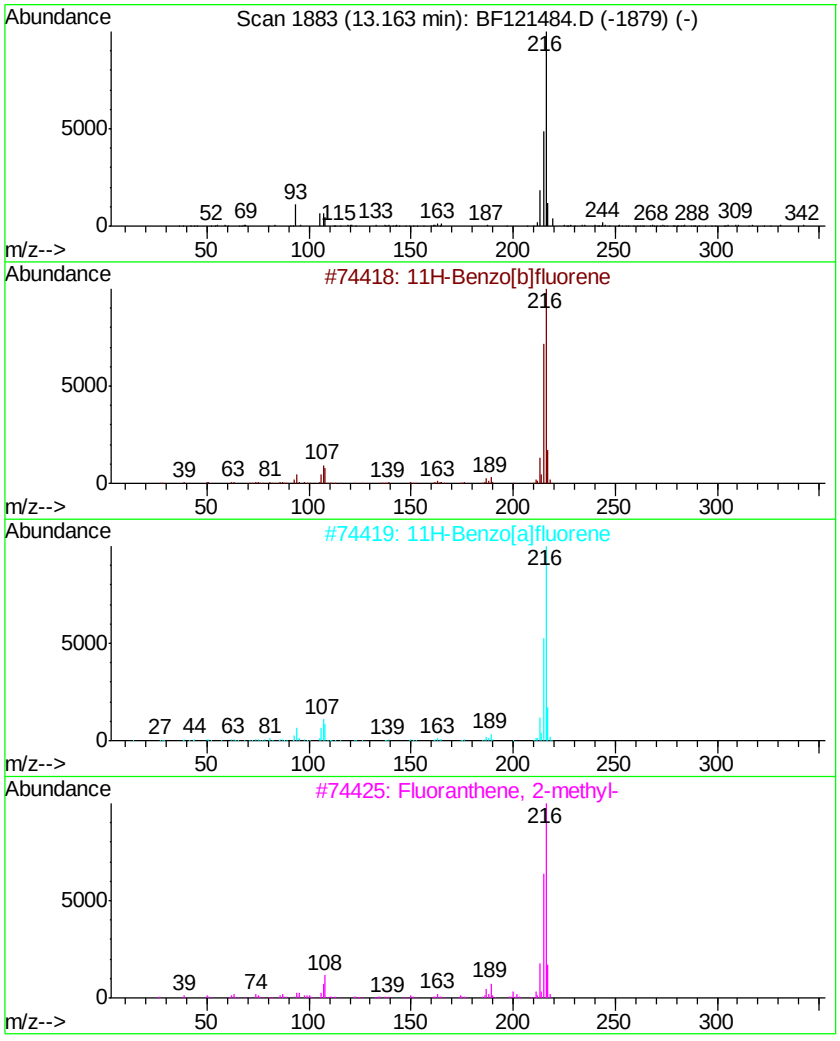
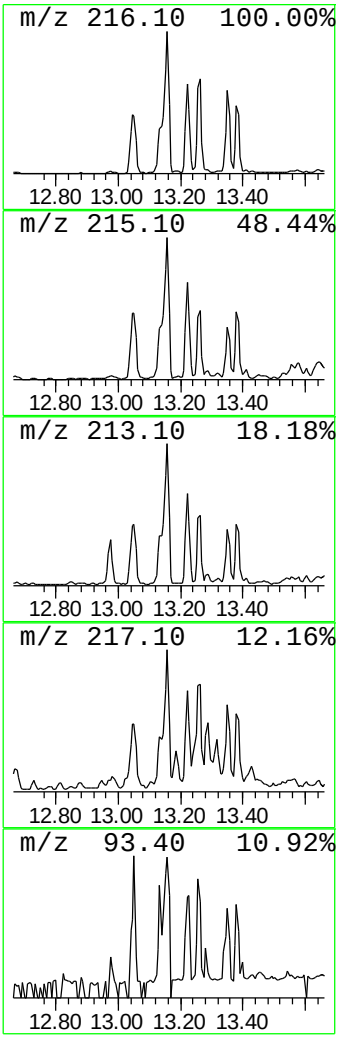
Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.16	4.03 ng	1511970	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	68





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ClientSampleId : LINDEN-JOP-BH-10-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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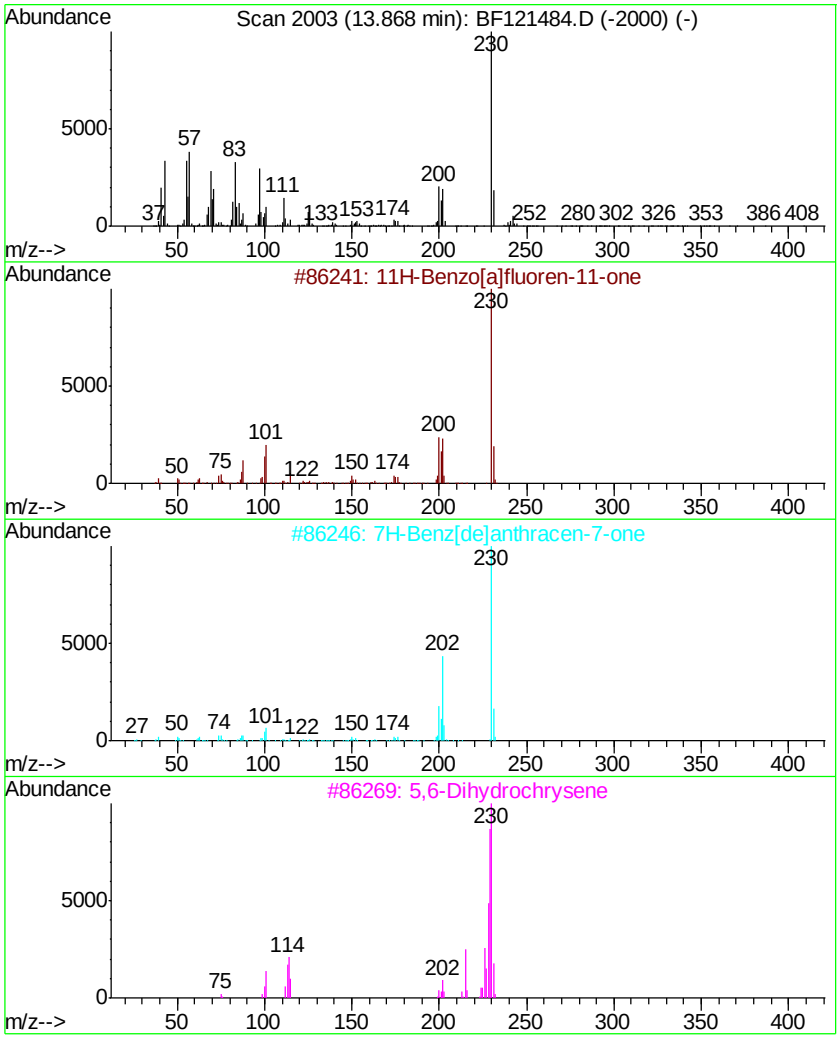
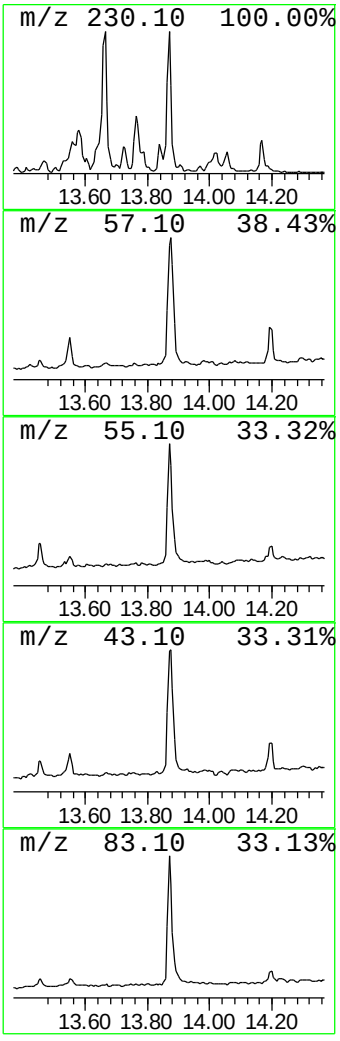
Peak Number 12 11H-Benzo[a]fluoren-11-one Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	5.36 ng	2011030	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	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
3	5,6-Dihydrochrysene	230	C18H14	002091-92-1	43
4	m-Terphenyl	230	C18H14	000092-06-8	43
5	p-Terphenyl	230	C18H14	000092-94-4	38





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Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-10-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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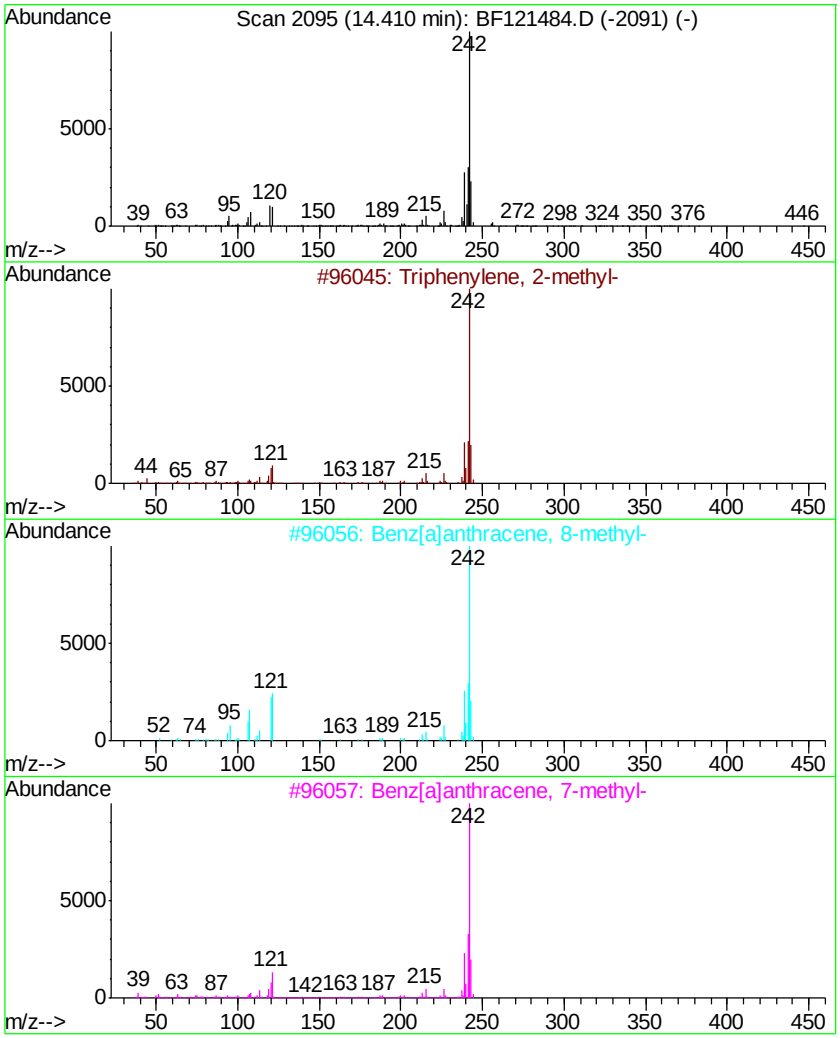
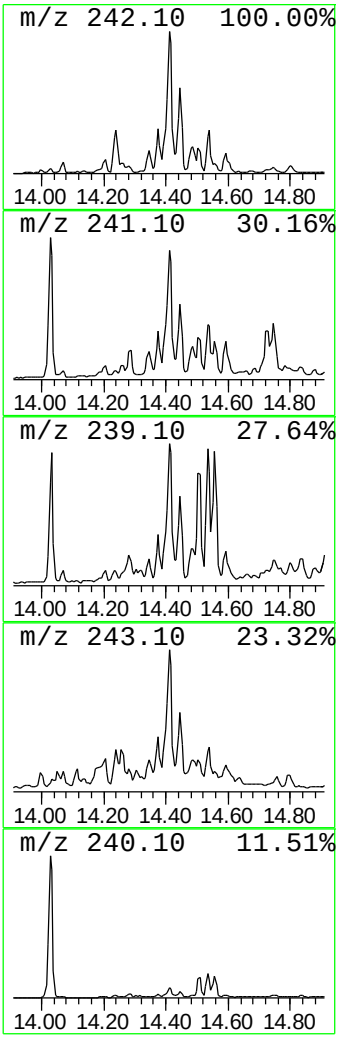
Peak Number 13 Triphenylene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.41	3.56 ng	1334050	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	97
2	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	97
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	97
4	2-Methylchrysene	242	C19H14	003351-32-4	95
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	95





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ClientSampleId : LINDEN-JOP-BH-10-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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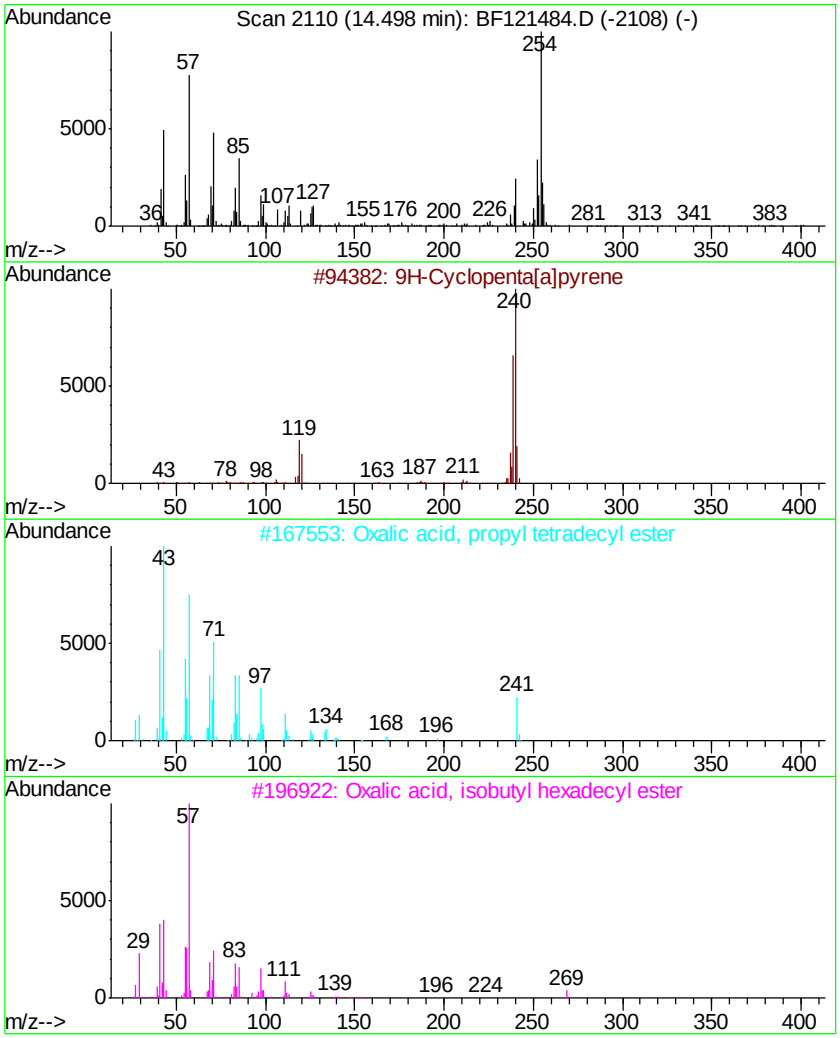
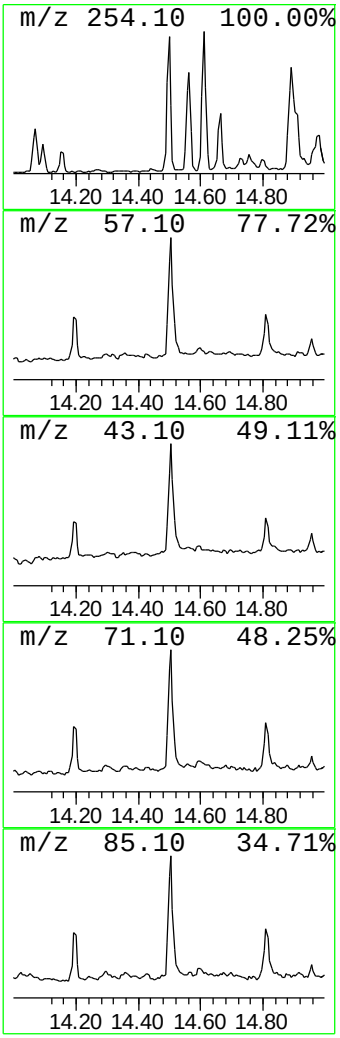
Peak Number 14 9H-Cyclopenta[a]pyrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	3.76 ng	1411050	Chrysene-d12	14.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Cyclopenta[a]pyrene	240	C19H12	050861-05-7	50
2	Oxalic acid, propyl tetradecyl e...	328	C19H36O4	1000309-26-7	35
3	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	35
4	Oxalic acid, isobutyl tetradecyl...	342	C20H38O4	1000309-37-9	35
5	Oxalic acid, pentadecyl propyl e...	342	C20H38O4	1000309-26-8	35





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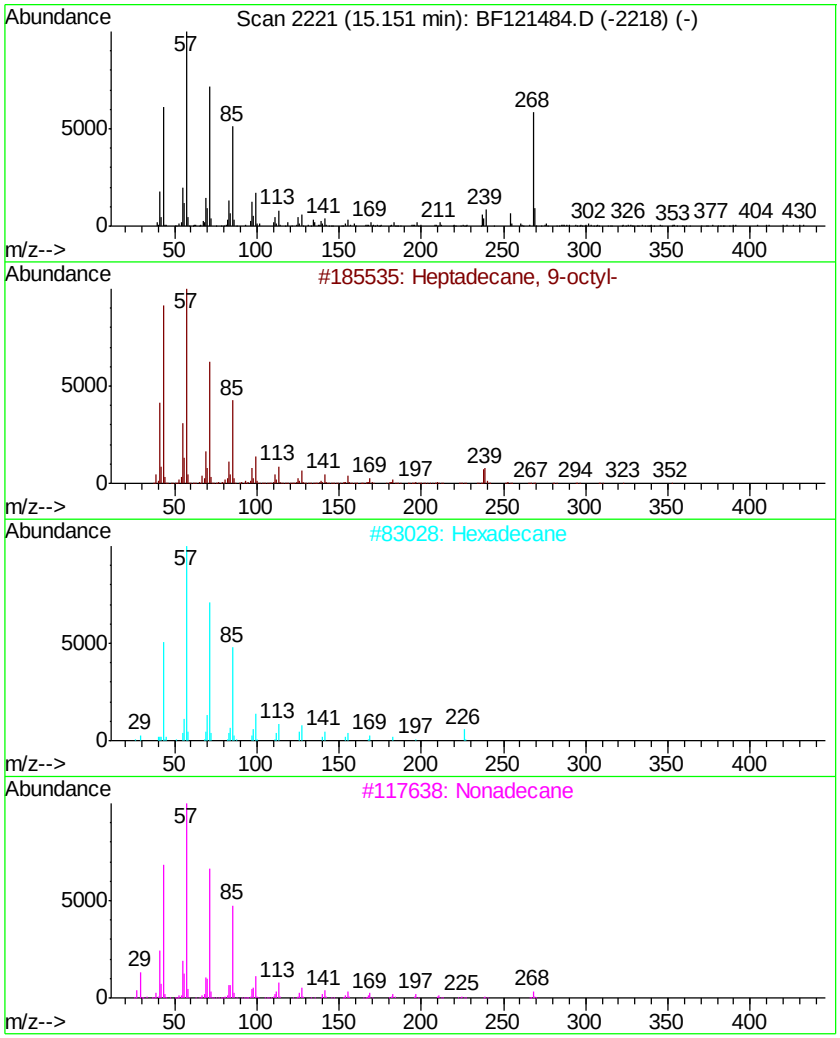
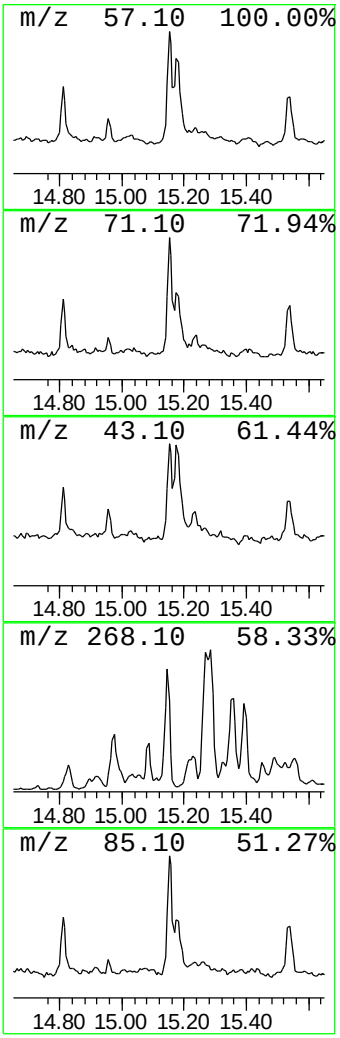
Peak Number 15 Heptadecane, 9-octyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.15	3.52 ng	355913	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	89
2	Hexadecane	226	C16H34	000544-76-3	78
3	Nonadecane	268	C19H40	000629-92-5	74
4	Hexacosane	366	C26H54	000630-01-3	64
5	Tetracosane	338	C24H50	000646-31-1	64





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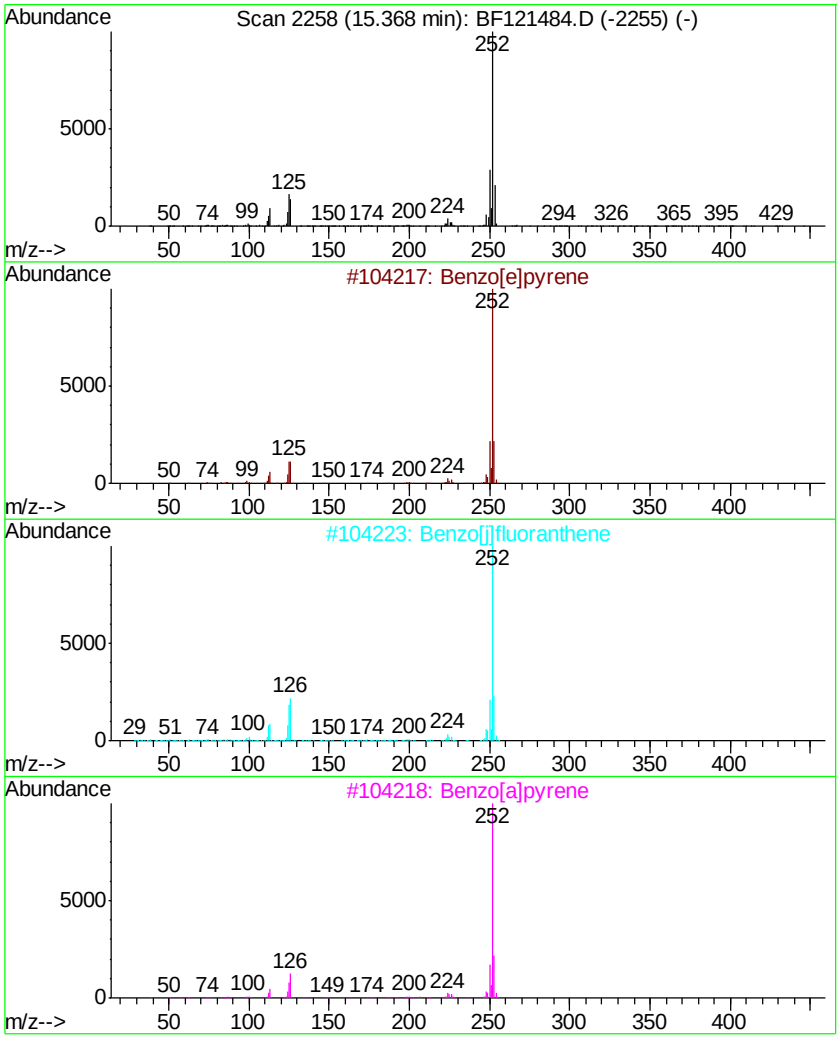
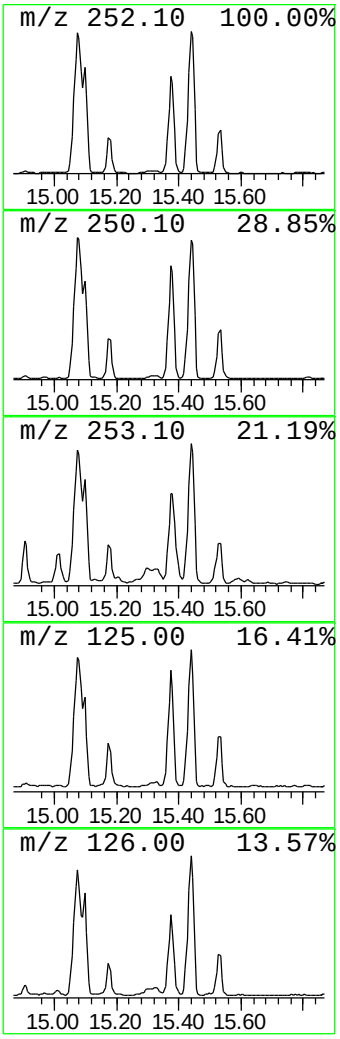
Peak Number 17 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.37	28.99 ng	2927710	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121484.D
Acq On : 31 Aug 2020 18:31
Operator : JU/CG
Sample : L3847-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-10-A

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

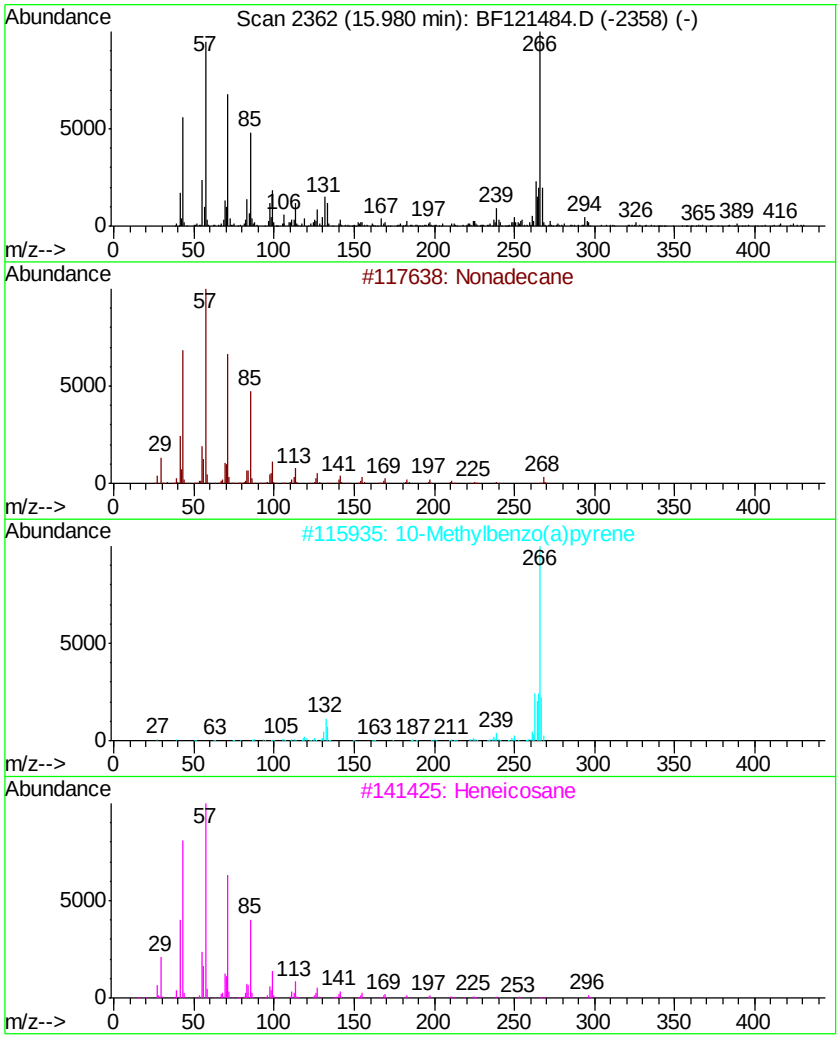
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

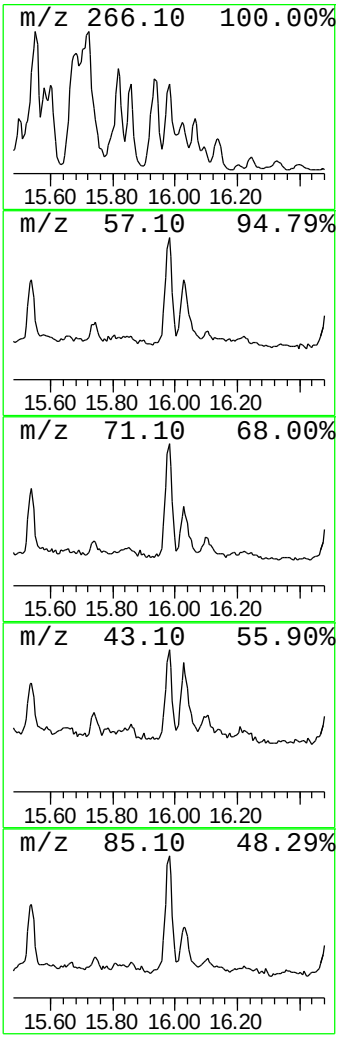
****

Peak Number 18 Nonadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.98	4.83 ng	487282	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	64
2	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	50
3	Heneicosane	296	C21H44	000629-94-7	47
4	Octadecane	254	C18H38	000593-45-3	47
5	Perylene, 3-methyl-	266	C21H14	024471-47-4	46





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121484.D
Acq On : 31 Aug 2020 18:31
Operator : JU/CG
Sample : L3847-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-10-A

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

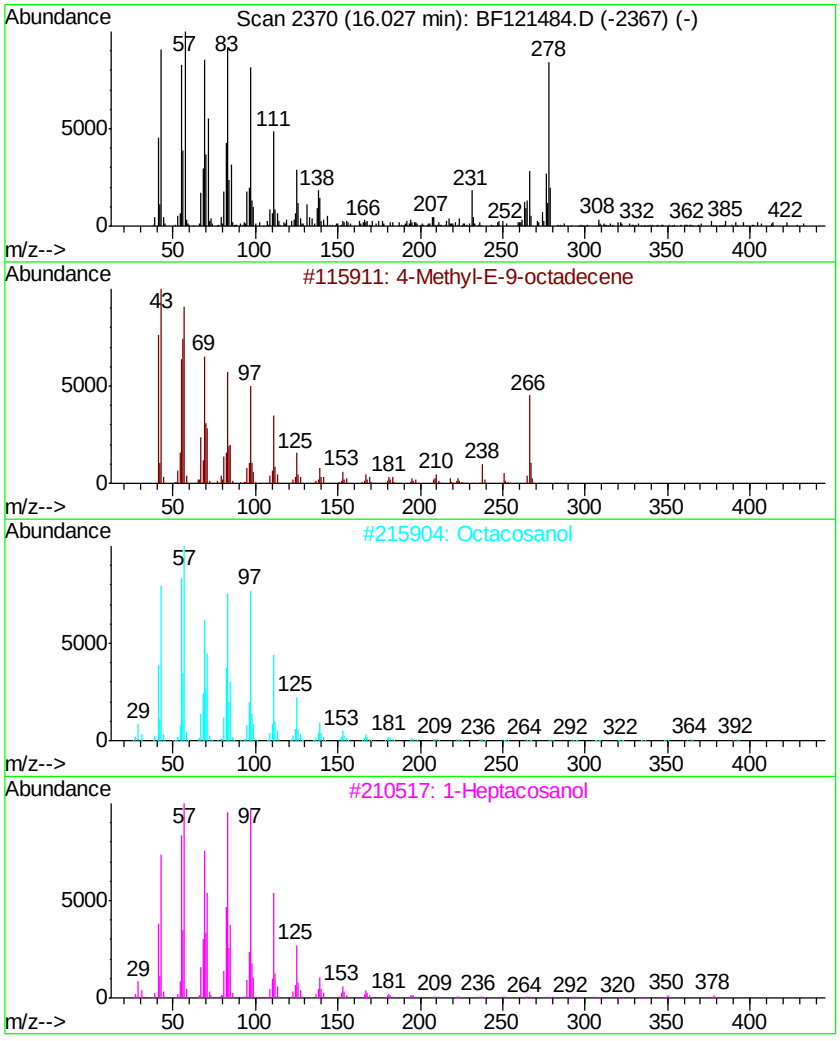
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

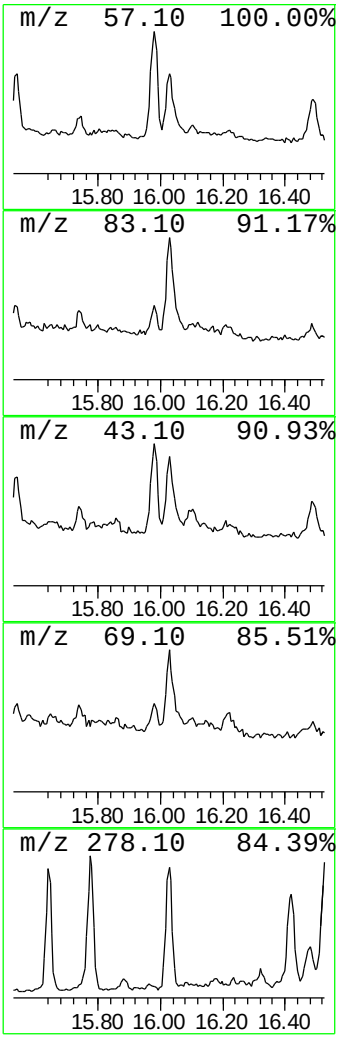
****

Peak Number 19 4-Methyl-E-9-octadecene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	4.01 ng	405001	Perylene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methyl-E-9-octadecene	266	C19H38	1000130-87-1	64
2	Octacosanol	410	C28H58O	000557-61-9	60
3	1-Heptacosanol	396	C27H56O	002004-39-9	60
4	1-Nonadecene	266	C19H38	018435-45-5	58
5	2- Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF083120\
Data File : BF121484.D
Acq On : 31 Aug 2020 18:31
Operator : JU/CG
Sample : L3847-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : LINDEN-JOP-BH-10-A

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...	2.20	20.9	ng	1948810	1	6.86	1867000	20.0
Phenanthrene, 1-m...	11.89	10.0	ng	1307190	4	11.39	2619220	20.0
Anthracene, 2-met...	11.92	16.3	ng	2136430	4	11.39	2619220	20.0
1H-Cyclopropa[l]p...	11.96	5.5	ng	714014	4	11.39	2619220	20.0
4H-Cyclopenta[def...	12.00	16.9	ng	2215080	4	11.39	2619220	20.0
Phenanthrene, 2-m...	12.02	6.3	ng	829876	4	11.39	2619220	20.0
Naphthalene, 2-ph...	12.18	5.8	ng	758512	4	11.39	2619220	20.0
Phenanthrene, 2,5...	12.44	7.0	ng	911831	4	11.39	2619220	20.0
unknown12.47	12.47	3.8	ng	500223	4	11.39	2619220	20.0
Cyclopenta(def)ph...	12.52	5.2	ng	683258	4	11.39	2619220	20.0
11H-Benzo[b]fluorene	13.16	4.0	ng	1511970	5	14.03	7501810	20.0
11H-Benzo[a]fluor...	13.87	5.4	ng	2011030	5	14.03	7501810	20.0
Triphenylene, 2-m...	14.41	3.6	ng	1334050	5	14.03	7501810	20.0
9H-Cyclopenta[a]p...	14.50	3.8	ng	1411050	5	14.03	7501810	20.0
Heptadecane, 9-oc...	15.15	3.5	ng	355913	6	15.50	2019660	20.0
Benzo[e]pyrene	15.37	29.0	ng	2927710	6	15.50	2019660	20.0
Nonadecane	15.98	4.8	ng	487282	6	15.50	2019660	20.0
4-Methyl-E-9-octa...	16.03	4.0	ng	405001	6	15.50	2019660	20.0