LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093020\
Data File : BF121762.D
Acq On : 1 Oct 2020 3:12
Operator : JU/CG
Sample : L4193-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-14(13-14)

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-BF091020.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	5.404	560	564	583	rBV	2079154	2168845	17.68%	1.151%
2	6.422	733	737	762	rBV	2070415	2205272	17.98%	1.170%
3	6.775	793	797	803	rBV	1071127	902701	7.36%	0.479%
4	7.339	888	893	896	rBV	1611487	1455256	11.86%	0.772%
5	8.057	1009	1015	1017	rBV	1254644	1103931	9.00%	0.586%
6	9.133	1193	1198	1202	rBV	2749423	2507034	20.44%	1.330%
7	9.469	1251	1255	1258	rVV	611819	666154	5.43%	0.353%
8	9.816	1307	1314	1316	rBV2	1171538	1316664	10.73%	0.699%
9	9.845	1316	1319	1322	rVV	1259464	1046603	8.53%	0.555%
10	9.916	1328	1331	1336	rBV3	238318	414822	3.38%	0.220%
11	10.016	1344	1348	1351	rVV	876679	809936	6.60%	0.430%
12	10.363	1402	1407	1412	rVV	1228892	1314083	10.71%	0.697%
13	10.428	1412	1418	1419	rVV	449974	654204	5.33%	0.347%
14	10.516	1430	1433	1437	rVB2	552772	628329	5.12%	0.333%
15	10.604	1442	1448	1451	rVV	1594352	1799534	14.67%	0.955%
16	10.722	1463	1468	1475	rVB3	396199	598709	4.88%	0.318%
17	10.910	1493	1500	1502	rBV3	537980	762306	6.22%	0.405%
18	10.933	1502	1504	1507	rVV2	426843	451342	3.68%	0.239%
19	11.039	1516	1522	1523	rVV2	333440	514915	4.20%	0.273%
20	11.057	1523	1525	1527	rVV2	474048	453243	3.70%	0.241%
21	11.110	1531	1534	1537	rVV2	502328	534607	4.36%	0.284%
22	11.151	1537	1541	1546	rVV4	501593	923705	7.53%	0.490%
23	11.198	1546	1549	1555	rVB	854670	934364	7.62%	0.496%
24	11.339	1561	1573	1575	rBV2	6222613	9338848	76.14%	4.956%
25	11.380	1575	1580	1583	rVV	3106584	3279592	26.74%	1.740%
26	11.410	1583	1585	1588	rVV2	429388	494068	4.03%	0.262%
27	11.533	1599	1606	1608	rVV2	634760	791009	6.45%	0.420%
28	11.592	1614	1616	1619	rVV	509771	483651	3.94%	0.257%
29	11.627	1619	1622	1628	rVV2	693058	815951	6.65%	0.433%
30	11.716	1631	1637	1640	rVB2	393428	510427	4.16%	0.271%
31	11.804	1647	1652	1654	rVV	2252061	2296784	18.73%	1.219%
32	11.833	1654	1657	1661	rVB	3081836	2892869	23.59%	1.535%
33	11.880	1661	1665	1668	rBV	1486715	1531450	12.49%	0.813%
34	11.916	1668	1671	1674	rVV	3023849	3887426	31.69%	2.063%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093020\
Data File : BF121762.D
Acq On : 1 Oct 2020 3:12
Operator : JU/CG
Sample : L4193-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-14(13-14)

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-BF091020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.939	1674	1675	1679	rVB	1974159	1322664	10.78%	0.702%
36	12.098	1695	1702	1705	rBV	1677518	1772494	14.45%	0.941%
37	12.127	1705	1707	1712	rVB2	706655	711535	5.80%	0.378%
38	12.245	1722	1727	1730	rBV2	810912	1049642	8.56%	0.557%
39	12.280	1730	1733	1735	rVV	714895	685415	5.59%	0.364%
40	12.304	1735	1737	1740	rVB	613889	516301	4.21%	0.274%
41	12.357	1741	1746	1748	rBV	1794586	2144652	17.49%	1.138%
42	12.392	1748	1752	1755	rVV	1208786	1815666	14.80%	0.963%
43	12.451	1758	1762	1767	rVB2	1162994	1551023	12.65%	0.823%
44	12.539	1767	1777	1779	rBV	6763289	11020493	89.85%	5.848%
45	12.563	1779	1781	1783	rVV	436091	435801	3.55%	0.231%
46	12.580	1783	1784	1788	rVB2	544820	465076	3.79%	0.247%
47	12.669	1795	1799	1801	rBV2	804538	777469	6.34%	0.413%
48	12.769	1808	1816	1818	rVV3	6500000	12265472	100.00%	6.509%
49	12.798	1818	1821	1825	rVB2	1104901	1269105	10.35%	0.673%
50	12.863	1825	1832	1834	rBV2	1046859	1372139	11.19%	0.728%
51	12.886	1834	1836	1838	rVV	2107595	1899283	15.48%	1.008%
52	12.904	1838	1839	1843	rVB	956173	826345	6.74%	0.438%
53	12.969	1843	1850	1853	rBV2	1476619	2587475	21.10%	1.373%
54	13.051	1861	1864	1866	rBV3	1157597	1451488	11.83%	0.770%
55	13.080	1866	1869	1871	rVB	2095019	2133722	17.40%	1.132%
56	13.110	1871	1874	1876	rBV2	344793	465113	3.79%	0.247%
57	13.145	1876	1880	1882	rVB	1160171	1051732	8.57%	0.558%
58	13.180	1882	1886	1889	rBV2	2000757	2375832	19.37%	1.261%
59	13.233	1893	1895	1898	rVB	440112	399233	3.25%	0.212%
60	13.274	1898	1902	1904	rBV	1397504	1299578	10.60%	0.690%
61	13.304	1904	1907	1910	rVB	1366548	1257544	10.25%	0.667%
62	13.474	1929	1936	1938	rVV6	457057	1094014	8.92%	0.581%
63	13.498	1938	1940	1942	rVV	647016	601682	4.91%	0.319%
64	13.563	1948	1951	1952	rVV2	348456	399650	3.26%	0.212%
65	13.586	1952	1955	1959	rVV	1880825	2033249	16.58%	1.079%
66	13.698	1969	1974	1975	rVV	1798035	2060336	16.80%	1.093%
67	13.721	1975	1978	1981	rVV	4470581	4871570	39.72%	2.585%
68	13.751	1981	1983	1988	rVV3	1059646	1736143	14.15%	0.921%
69	13.798	1988	1991	1995	rVV	1610856	2062027	16.81%	1.094%
70	13.951	2009	2017	2020	rBV2	4898753	10147111	82.73%	5.384%
71	13.992	2020	2024	2029	rVB	5500314	7235232	58.99%	3.839%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093020\
Data File : BF121762.D
Acq On : 1 Oct 2020 3:12
Operator : JU/CG
Sample : L4193-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-14(13-14)

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-BF091020.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.057	2033	2035	2040	rVV	1071039	1075445	8.77%	0.571%
73	14.110	2040	2044	2047	rVV5	487754	1004454	8.19%	0.533%
74	14.139	2047	2049	2051	rVV	613166	497014	4.05%	0.264%
75	14.174	2051	2055	2058	rVV2	722280	1002137	8.17%	0.532%
76	14.204	2058	2060	2063	rVB2	416143	416677	3.40%	0.221%
77	14.263	2068	2070	2073	rBV	405401	393563	3.21%	0.209%
78	14.298	2073	2076	2078	rBV	649680	686537	5.60%	0.364%
79	14.339	2078	2083	2085	rBV	1816918	2006848	16.36%	1.065%
80	14.368	2085	2088	2091	rVB	1182086	1015319	8.28%	0.539%
81	14.410	2091	2095	2096	rBV2	532757	615277	5.02%	0.326%
82	14.463	2101	2104	2105	rVV	1062804	1079012	8.80%	0.573%
83	14.480	2105	2107	2110	rVV2	831520	784928	6.40%	0.417%
84	14.527	2110	2115	2117	rVV2	745327	1001932	8.17%	0.532%
85	14.645	2132	2135	2144	rBV5	471225	1158778	9.45%	0.615%
86	14.821	2162	2165	2169	rBV	708039	821883	6.70%	0.436%
87	15.004	2187	2196	2202	rBV2	4159671	11403906	92.98%	6.051%
88	15.092	2207	2211	2214	rVB	1271710	1270562	10.36%	0.674%
89	15.186	2221	2227	2230	rBV3	358158	909875	7.42%	0.483%
90	15.286	2238	2244	2250	rBV	2438635	4085779	33.31%	2.168%
91	15.362	2250	2257	2260	rVB	3598654	5711159	46.56%	3.031%
92	15.404	2260	2264	2266	rBV	680245	803472	6.55%	0.426%
93	15.439	2266	2270	2275	rVB2	1534579	2219110	18.09%	1.178%
94	15.745	2319	2322	2328	rVB3	306332	457575	3.73%	0.243%
95	15.821	2331	2335	2339	rVB2	270680	408151	3.33%	0.217%
96	16.851	2500	2510	2514	rVB	1745474	3909636	31.88%	2.075%
97	16.998	2529	2535	2539	rBV	486746	983209	8.02%	0.522%
98	17.056	2540	2545	2550	rVB2	333349	642417	5.24%	0.341%
99	17.286	2574	2584	2594	rVB	1258845	3333916	27.18%	1.769%
100	17.492	2614	2619	2634	rVB2	410167	1101950	8.98%	0.585%

Sum of corrected areas: 188452461

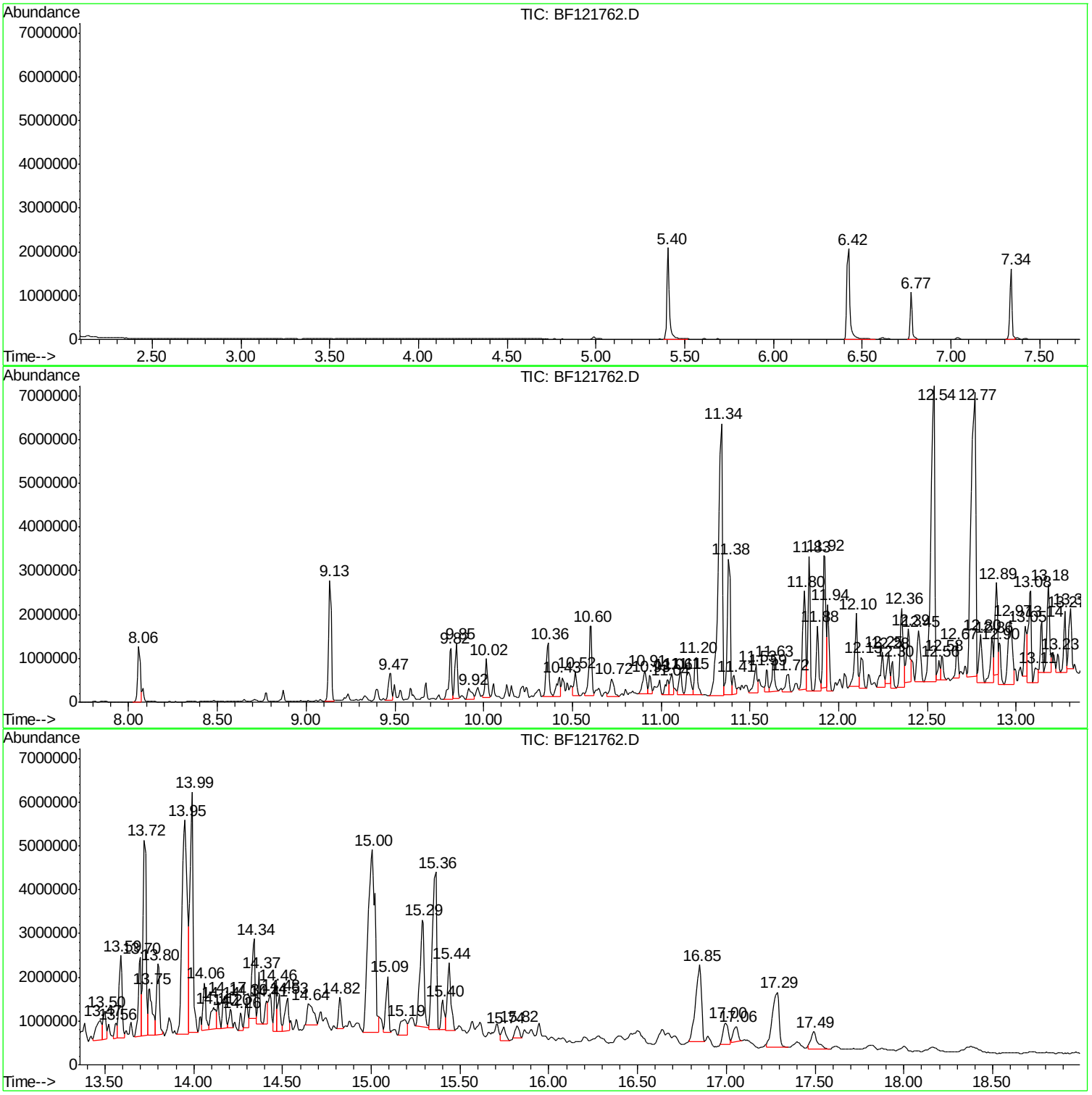
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093020\
Data File : BF121762.D
Acq On : 1 Oct 2020 3:12
Operator : JU/CG
Sample : L4193-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-14(13-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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\BF093020\
Data File : BF121762.D
Acq On : 1 Oct 2020 3:12
Operator : JU/CG
Sample : L4193-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-14(13-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

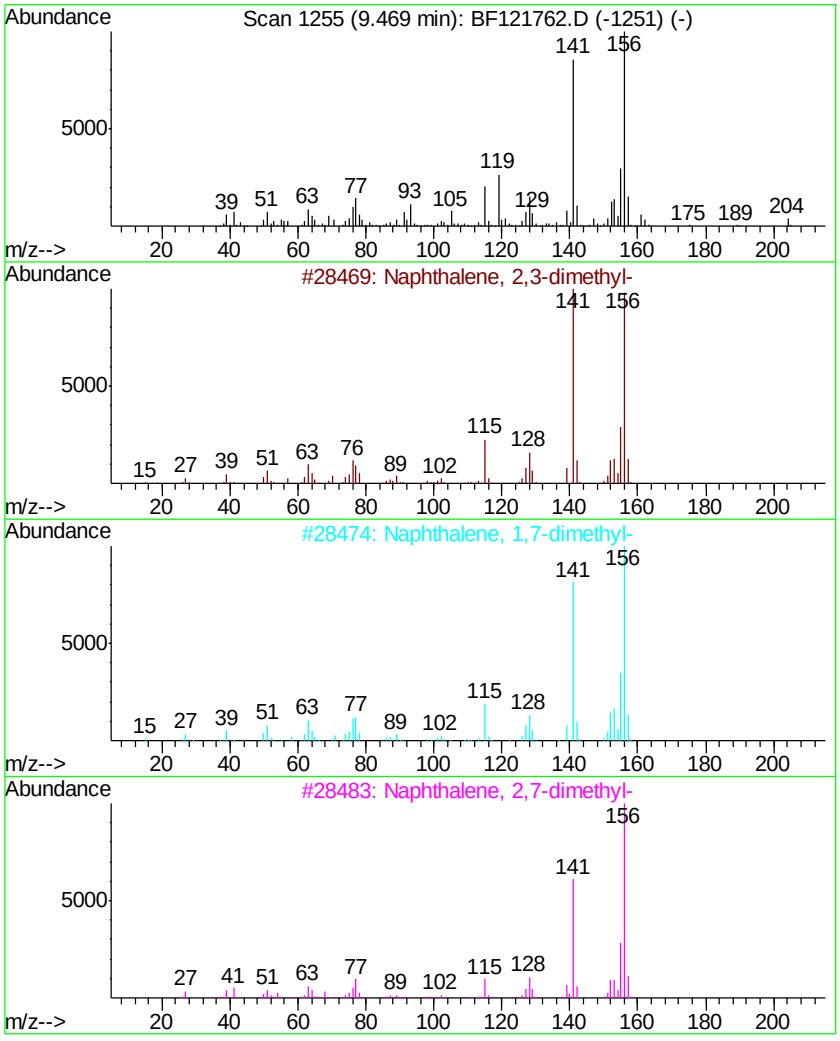
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

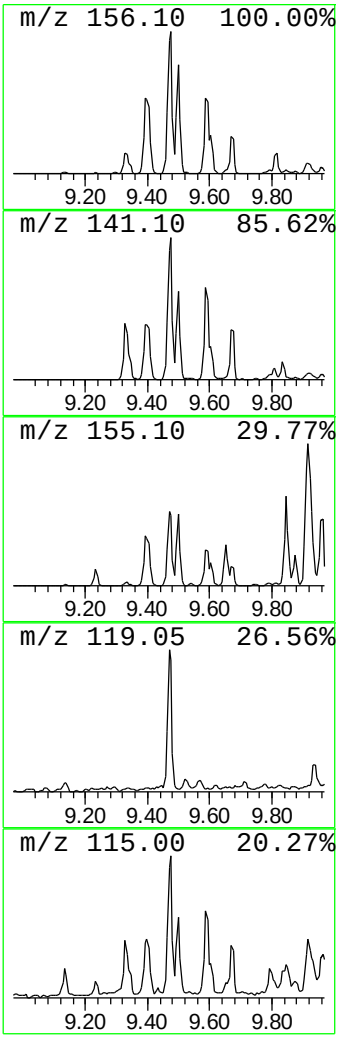
****

Peak Number 1 Naphthalene, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.47	10.12 ng	666154	Acenaphthene-d10	9.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093020\
Data File : BF121762.D
Acq On : 1 Oct 2020 3:12
Operator : JU/CG
Sample : L4193-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-14(13-14)

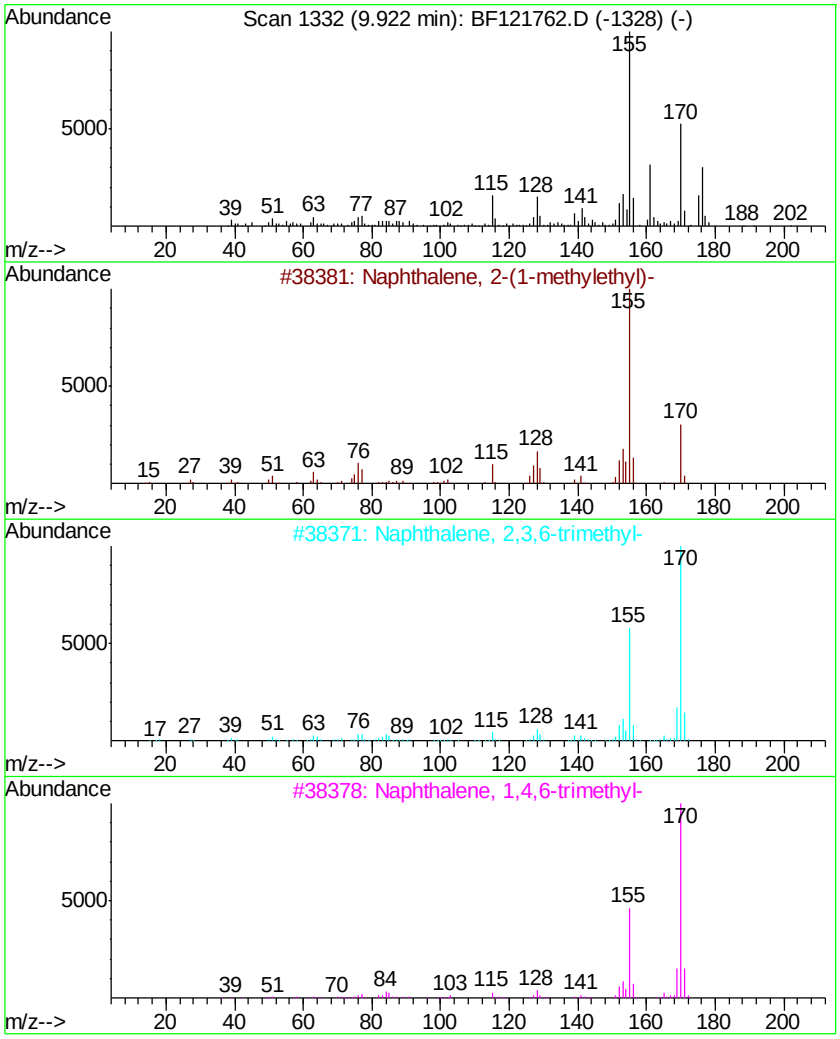
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

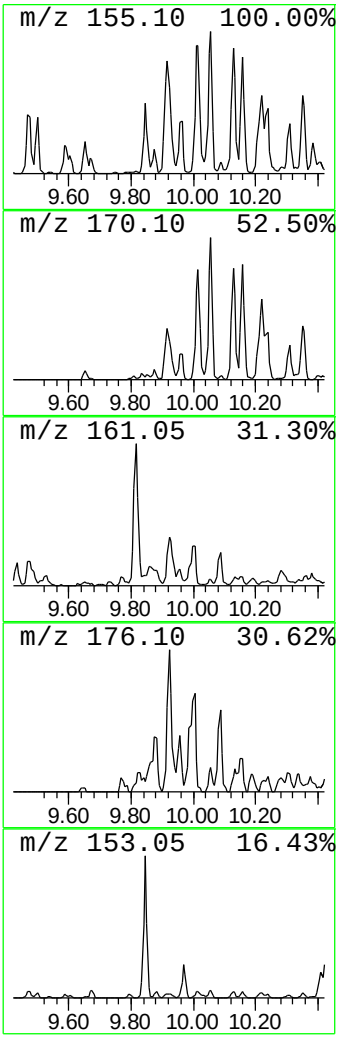
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Naphthalene, 2-(1-methyleth... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.92	6.30 ng	414822	Acenaphthene-d10	9.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	95
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	91
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	91
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	83
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	78





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093020\
Data File : BF121762.D
Acq On : 1 Oct 2020 3:12
Operator : JU/CG
Sample : L4193-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-14(13-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

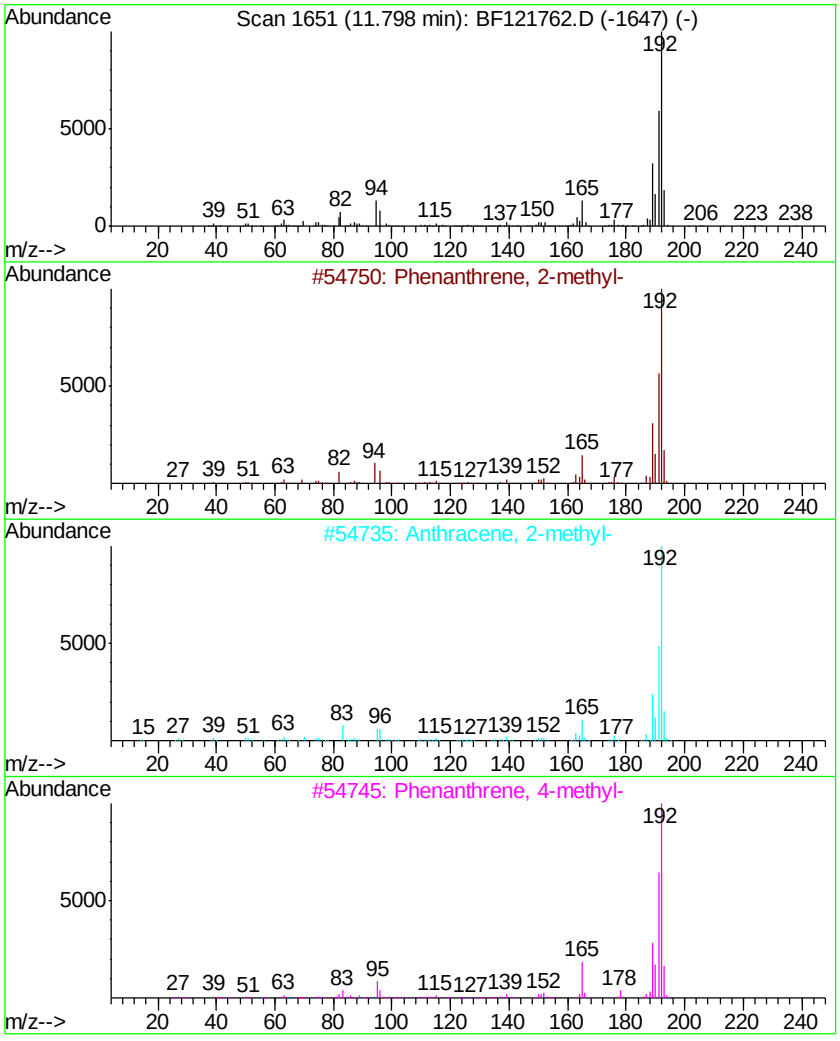
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

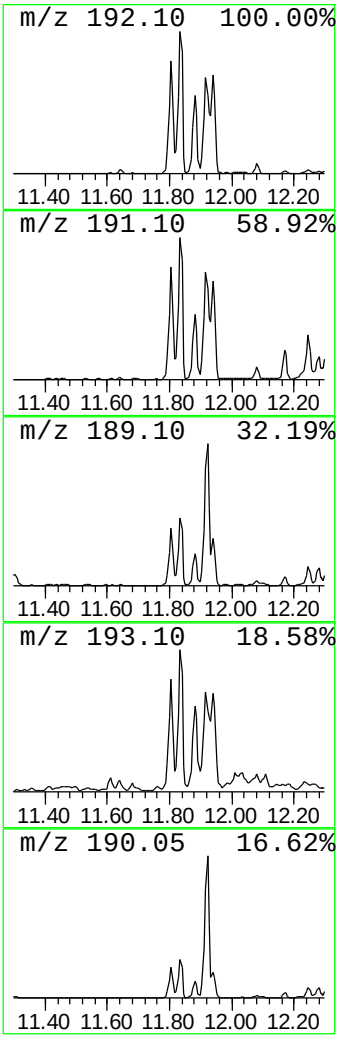
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	4.92 ng	2296780	Phenanthrene-d10	11.30

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	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093020\
Data File : BF121762.D
Acq On : 1 Oct 2020 3:12
Operator : JU/CG
Sample : L4193-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-14(13-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

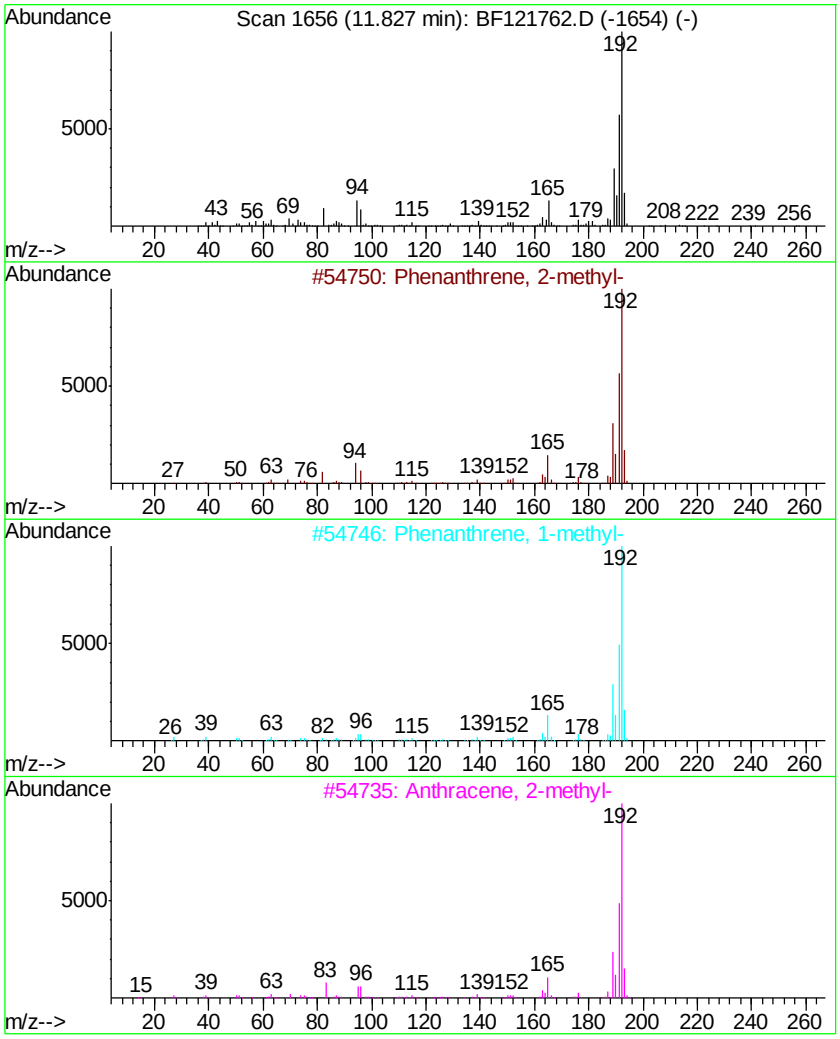
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

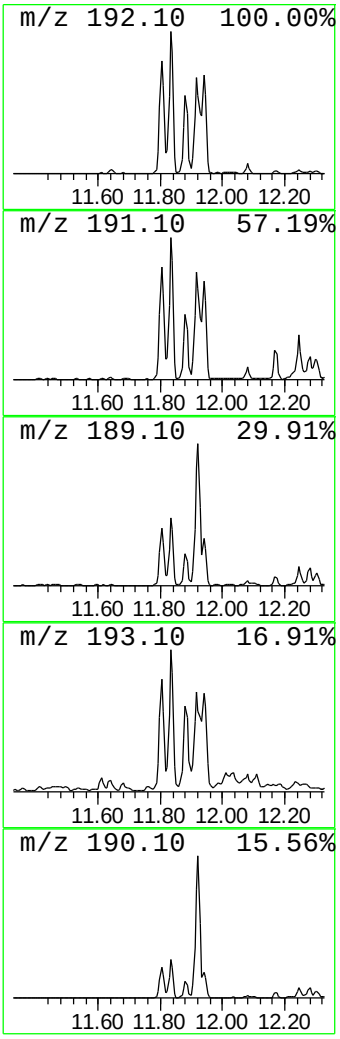
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	6.20 ng	2892870	Phenanthrene-d10	11.30

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-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093020\
Data File : BF121762.D
Acq On : 1 Oct 2020 3:12
Operator : JU/CG
Sample : L4193-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-14(13-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

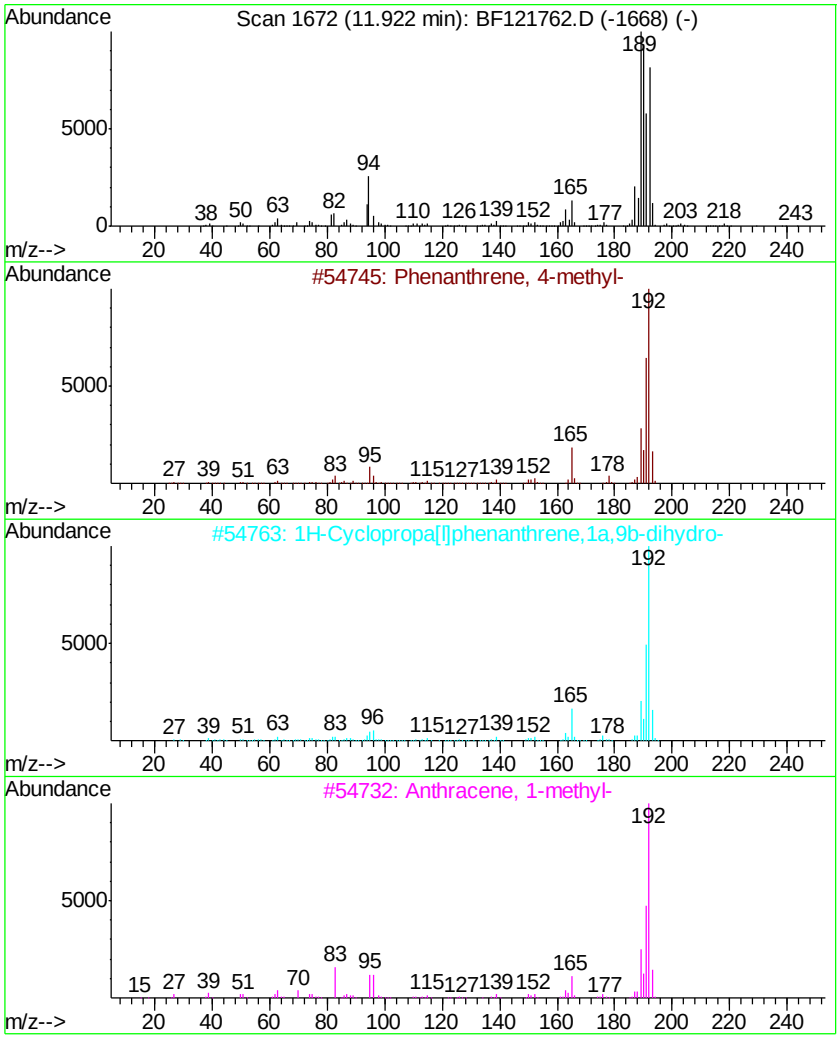
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

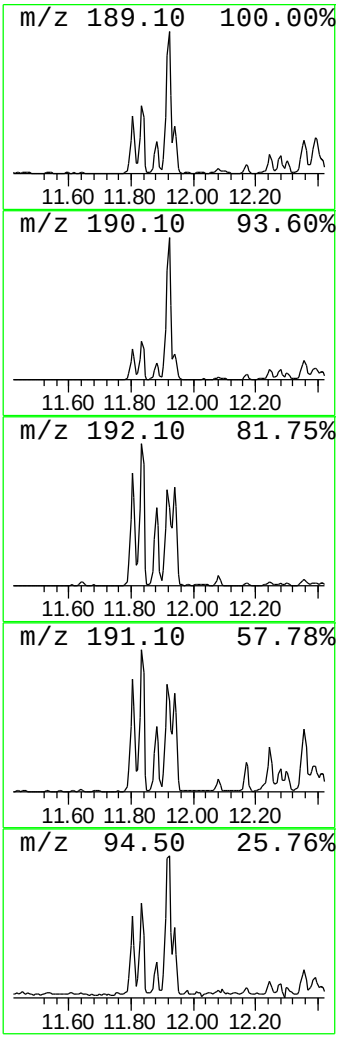
****

Peak Number 5 Phenanthrene, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	8.33 ng	3887430	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	50
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	50
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	50
4	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	50
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	46





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Sample : L4193-07
Misc :
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Instrument : BNA_F
ClientSampleId : B-14(13-14)

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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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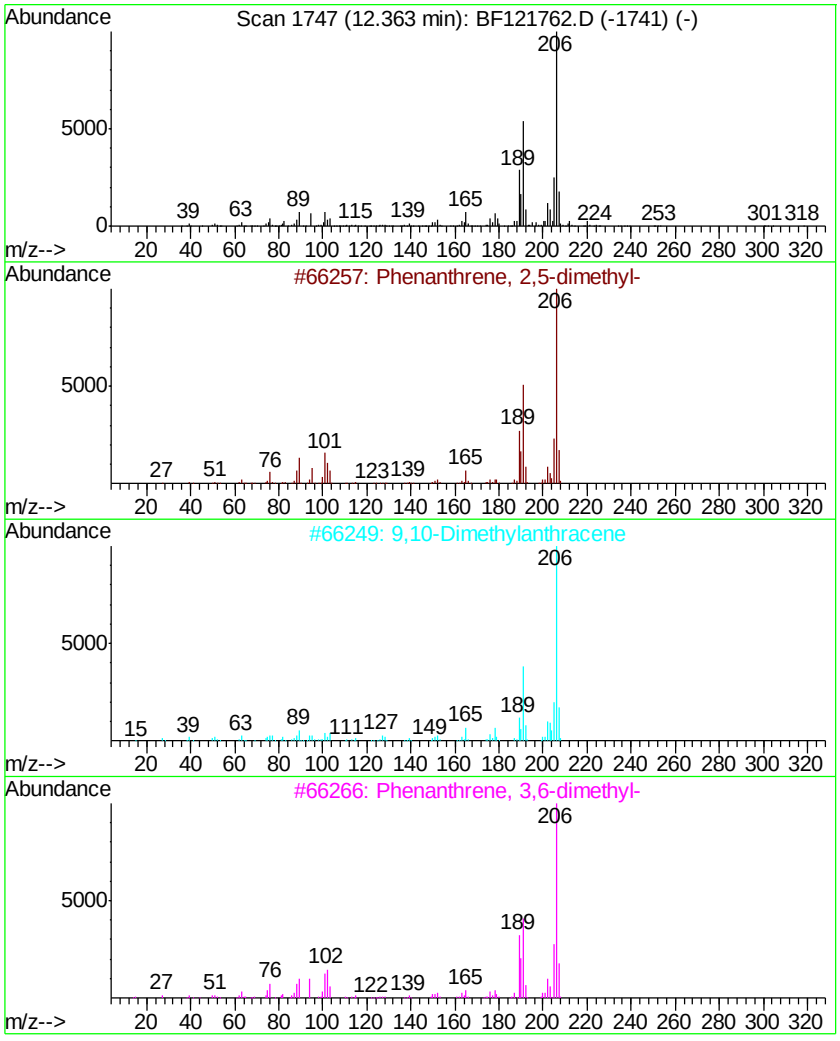
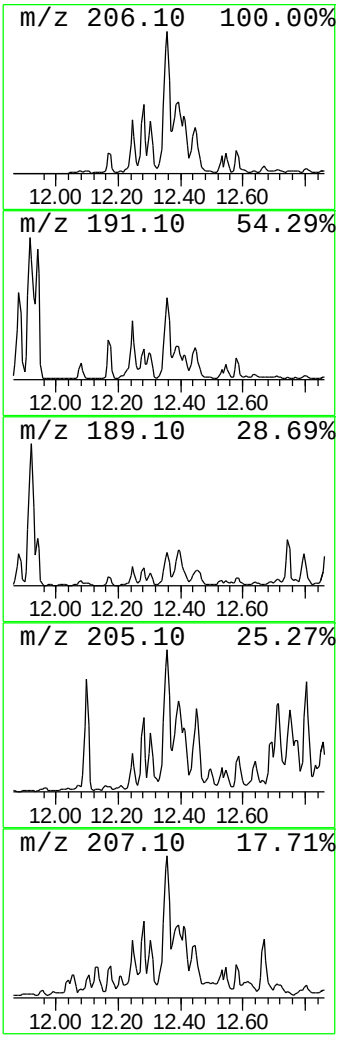
Peak Number 6 Phenanthrene, 2,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	4.59 ng	2144650	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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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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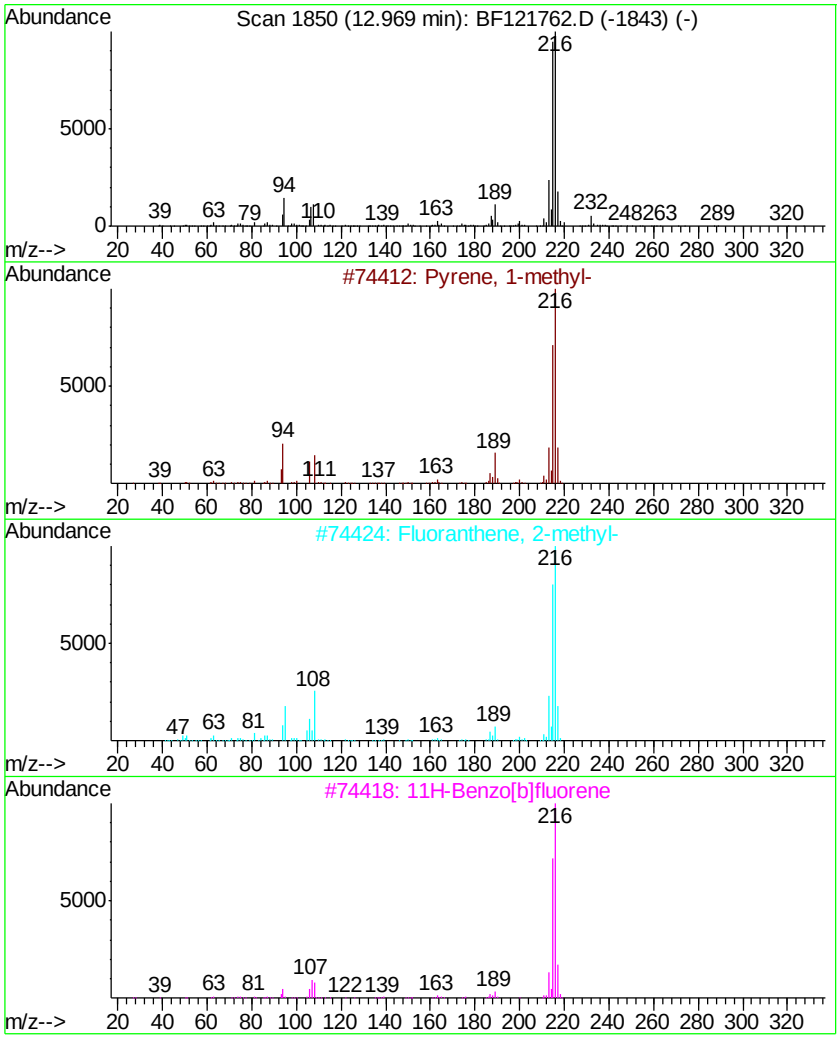
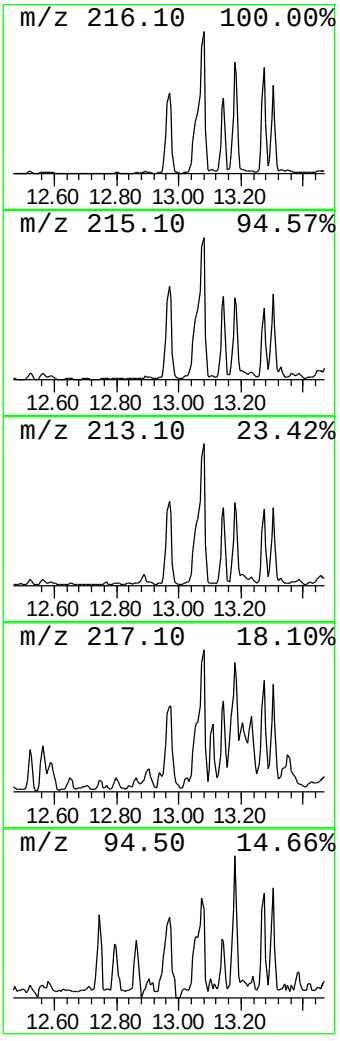
Peak Number 7 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	5.10 ng	2587480	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	97
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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ClientSampleId : B-14(13-14)

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

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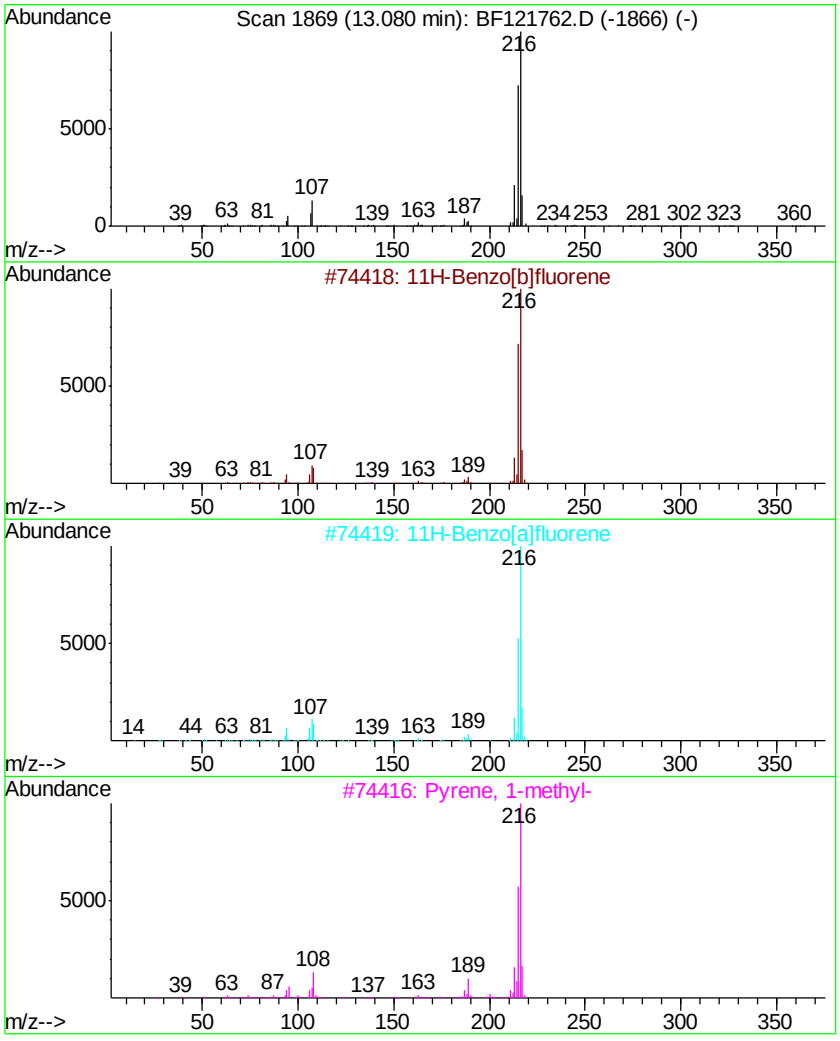
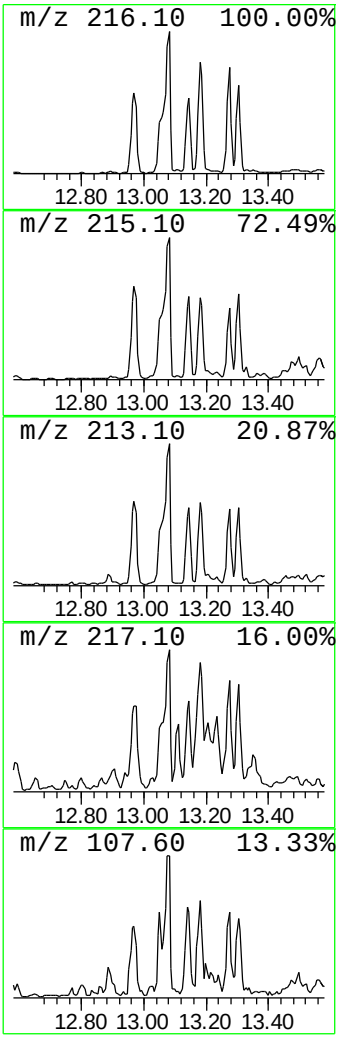
Peak Number 8 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	4.21 ng	2133720	Chrysene-d12	13.96

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	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	72





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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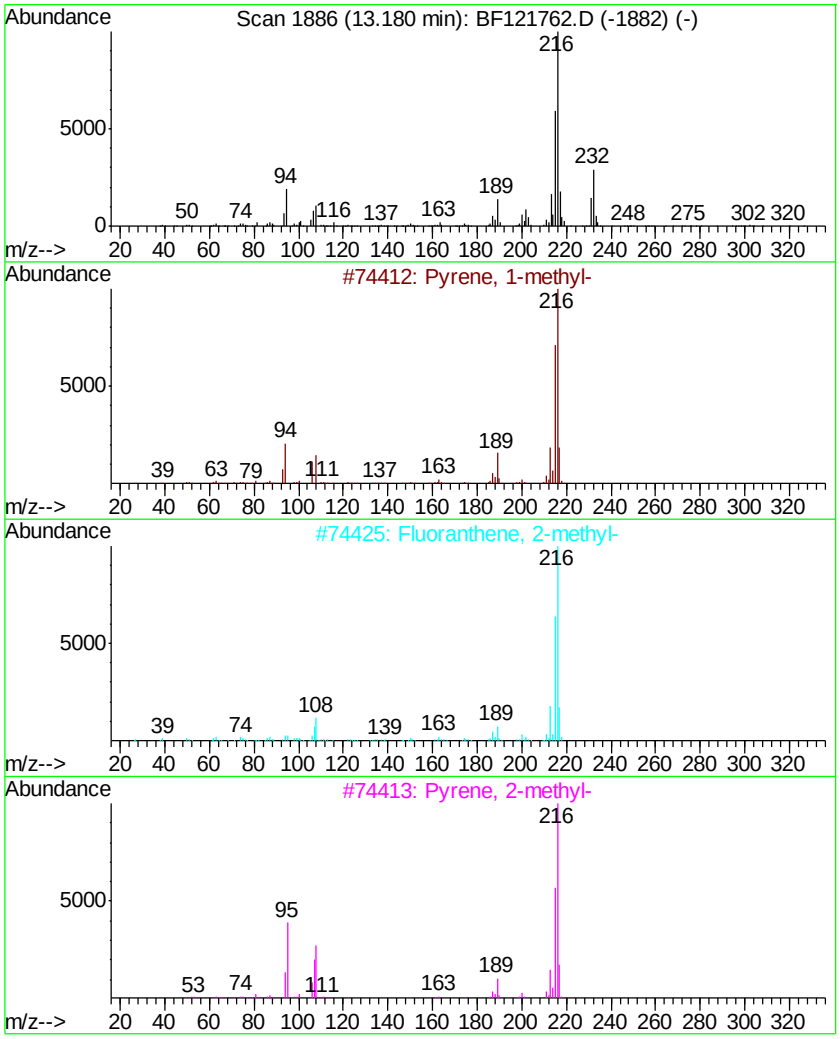
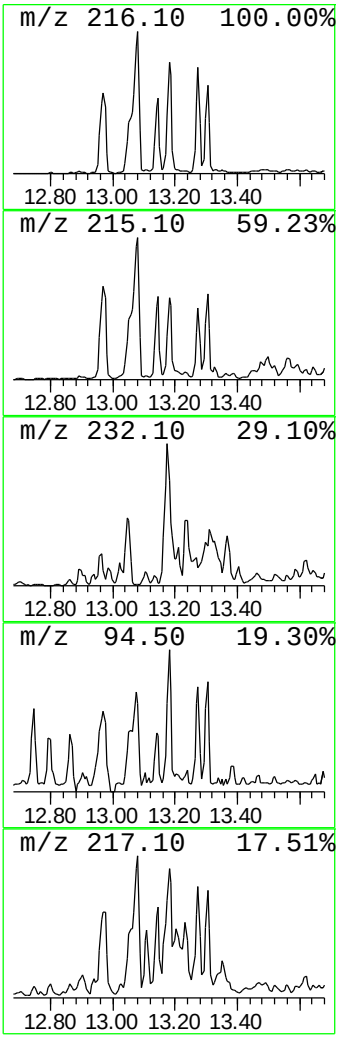
Peak Number 9 Fluoranthene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.18	4.68 ng	2375830	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	91
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	70





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

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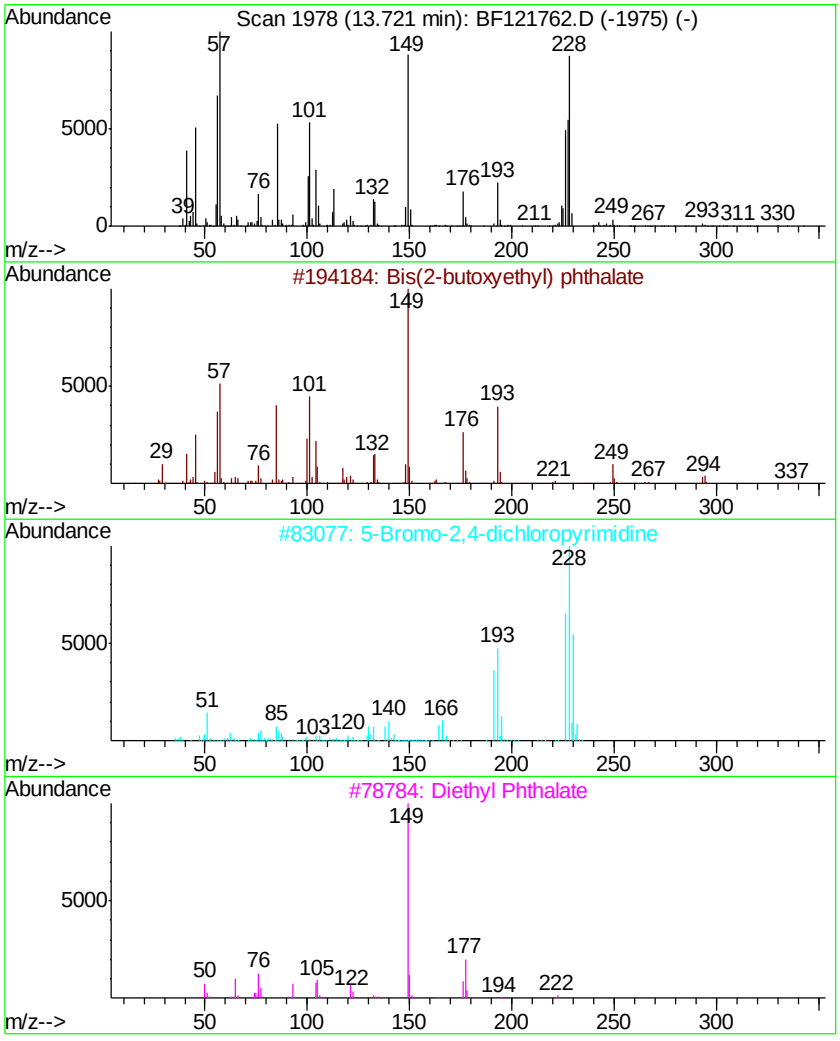
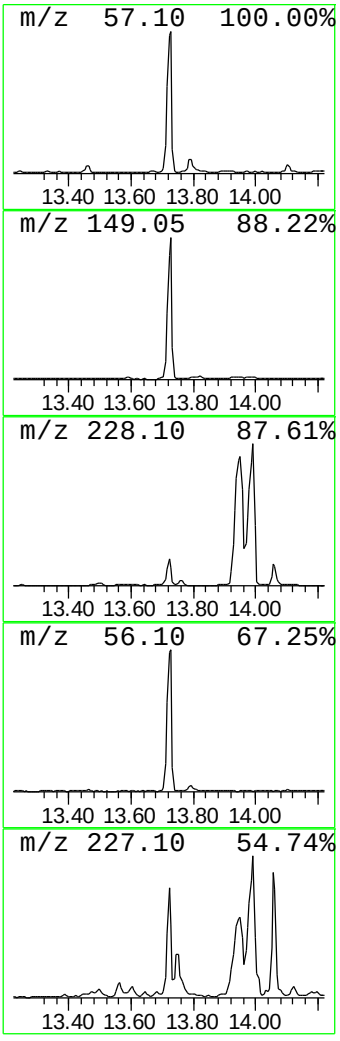
Peak Number 10 Bis(2-butoxyethyl) phthalate Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.72	9.60 ng	4871570	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bis(2-butoxyethyl) phthalate	366	C20H30O6	000117-83-9	50
2	5-Bromo-2,4-dichloropyrimidine	226	C4HBrCl2N2	036082-50-5	22
3	Diethyl Phthalate	222	C12H14O4	000084-66-2	15
4	Phthalic acid, isohexyl pent-2-e...	314	C19H22O4	1000315-45-7	14
5	Triphenylene	228	C18H12	000217-59-4	14





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

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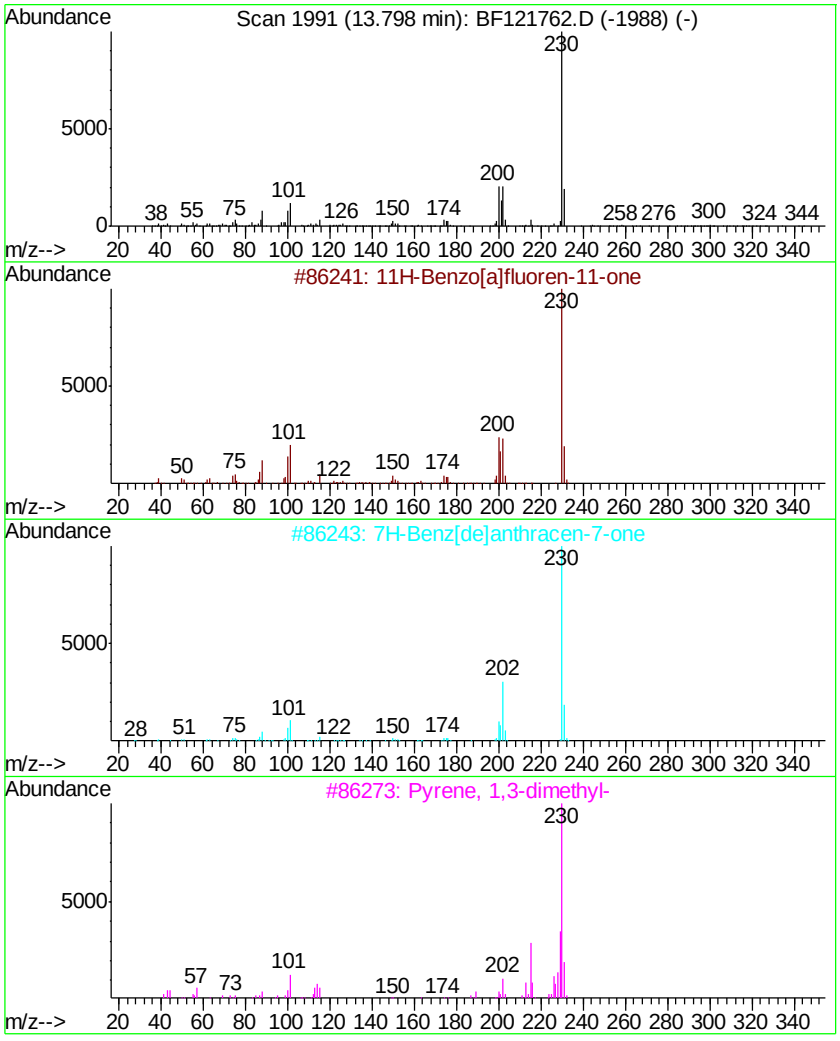
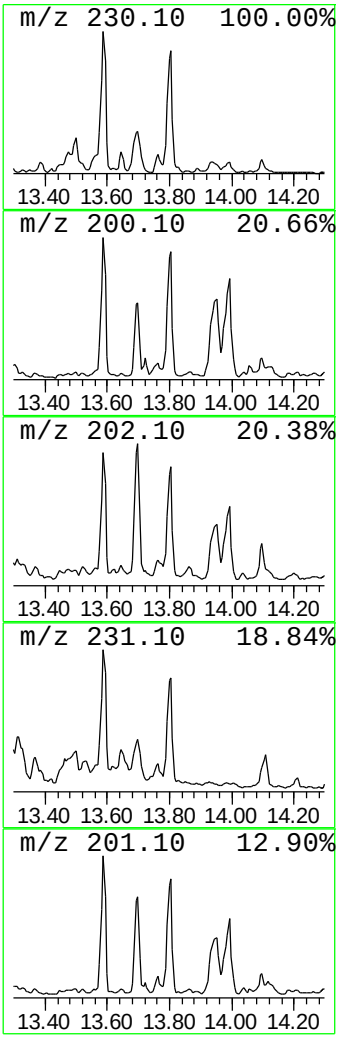
Peak Number 11 11H-Benzo[a]fluoren-11-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	4.06 ng	2062030	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	59
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	56
5	4-Isothiazolecarbonitrile, 3,5-b...	230	C8H10N2S3	024135-13-5	53





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

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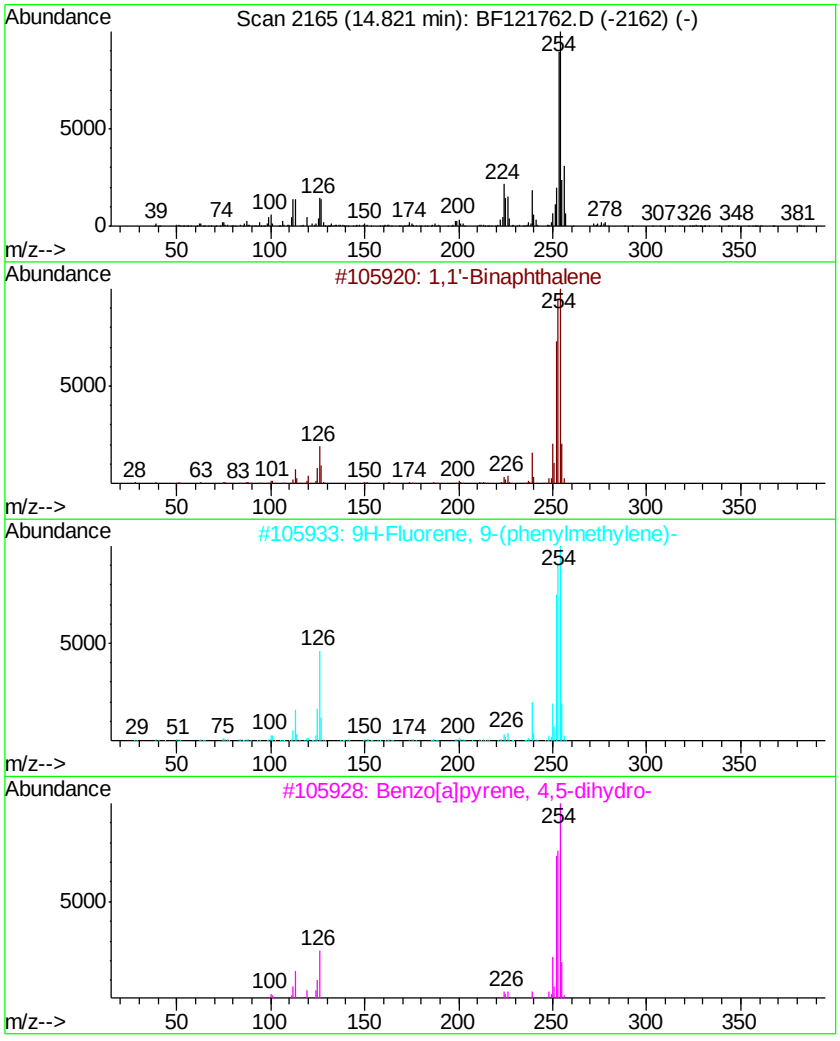
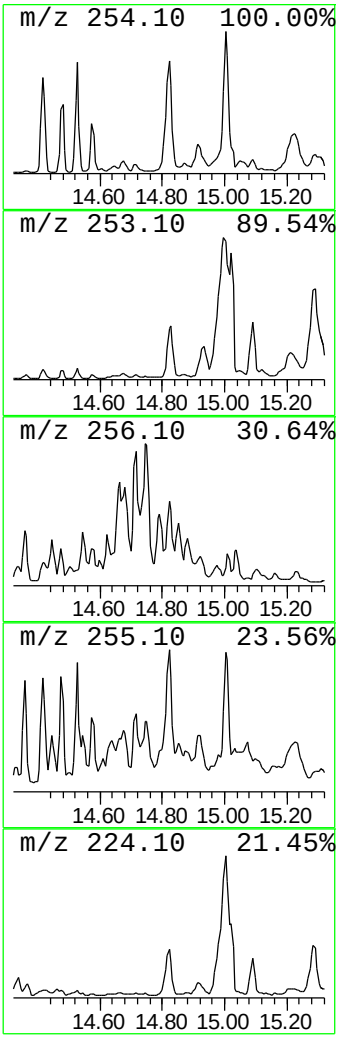
Peak Number 12 1,1'-Binaphthalene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	20.46 ng	821883	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene	254	C20H14	000604-53-5	89
2	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	76
3	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	64
4	1,2'-Binaphthalene	254	C20H14	004325-74-0	64
5	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	64





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ClientSampleId : B-14(13-14)

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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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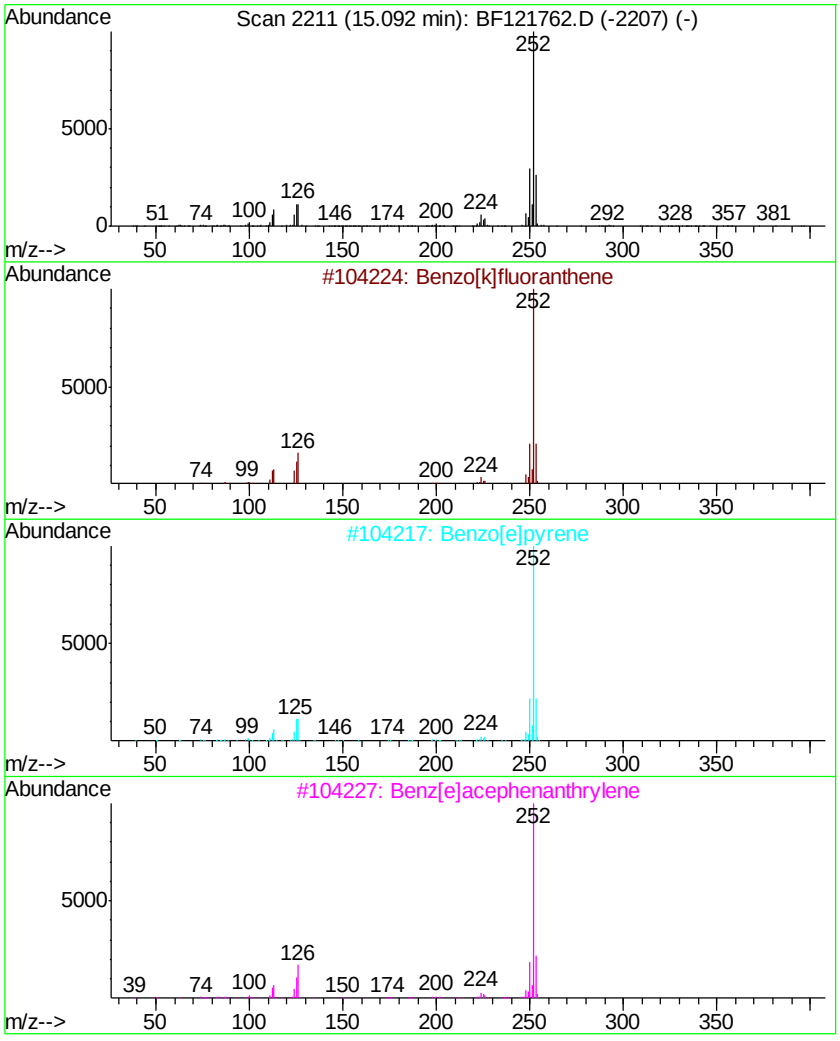
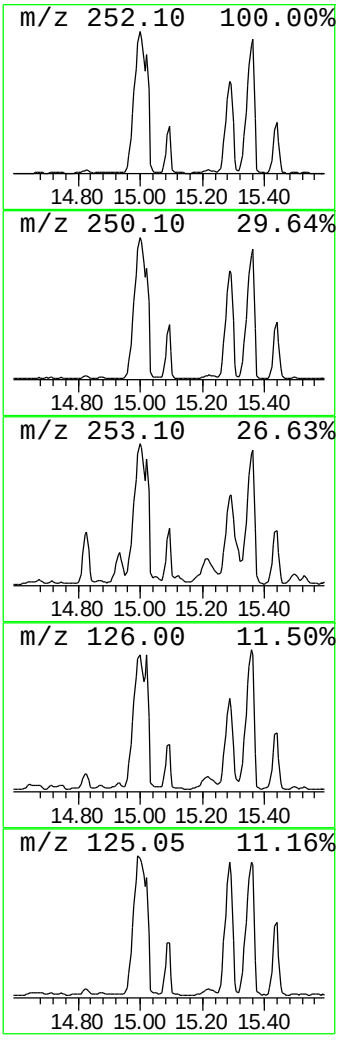
Peak Number 13 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	31.63 ng	1270560	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Benzo[a]pyrene	252	C20H12	000050-32-8	87
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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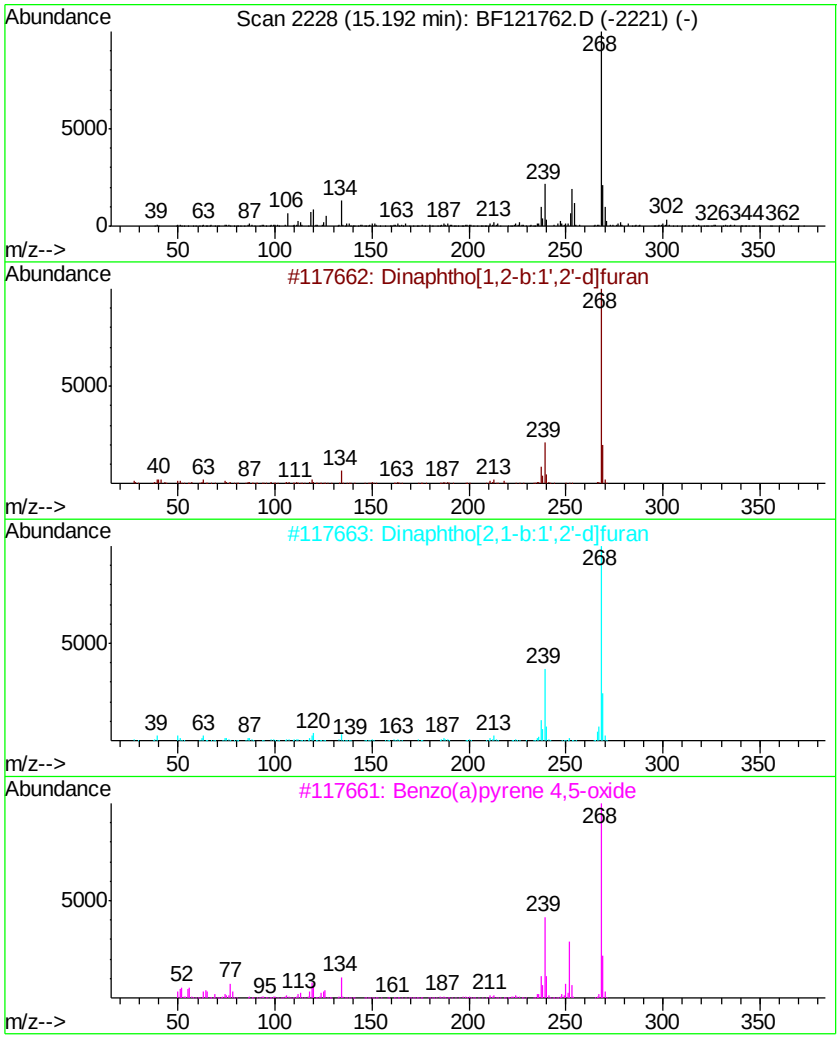
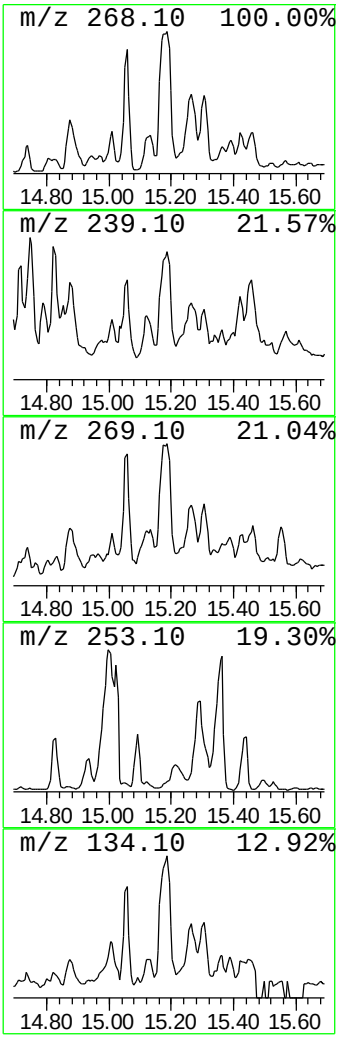
Peak Number 14 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	22.65 ng	909875	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	90
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	81
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	74
4	9,10-Anthracenedione, 1,4-diamin...	268	C15H12N2O3	002872-48-2	64
5	Naphthalene, 1-(2-naphthalenylme...	268	C21H16	000611-48-3	59





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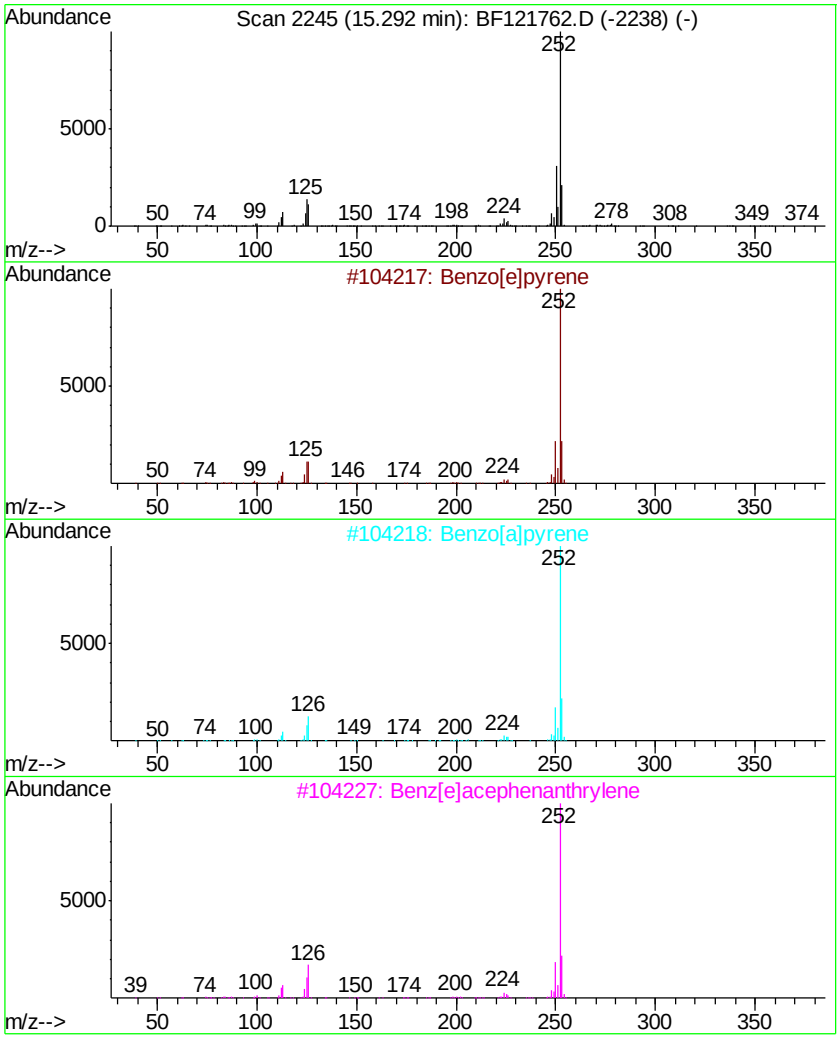
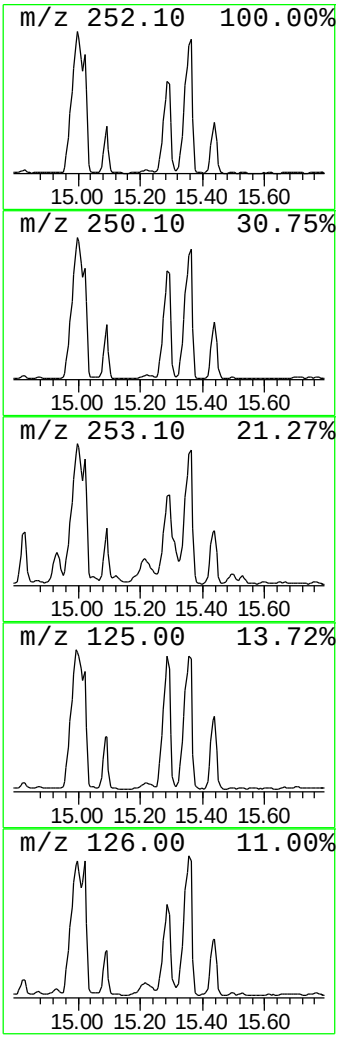
Peak Number 15 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	101.70 ng	4085780	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Perylene	252	C20H12	000198-55-0	93





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

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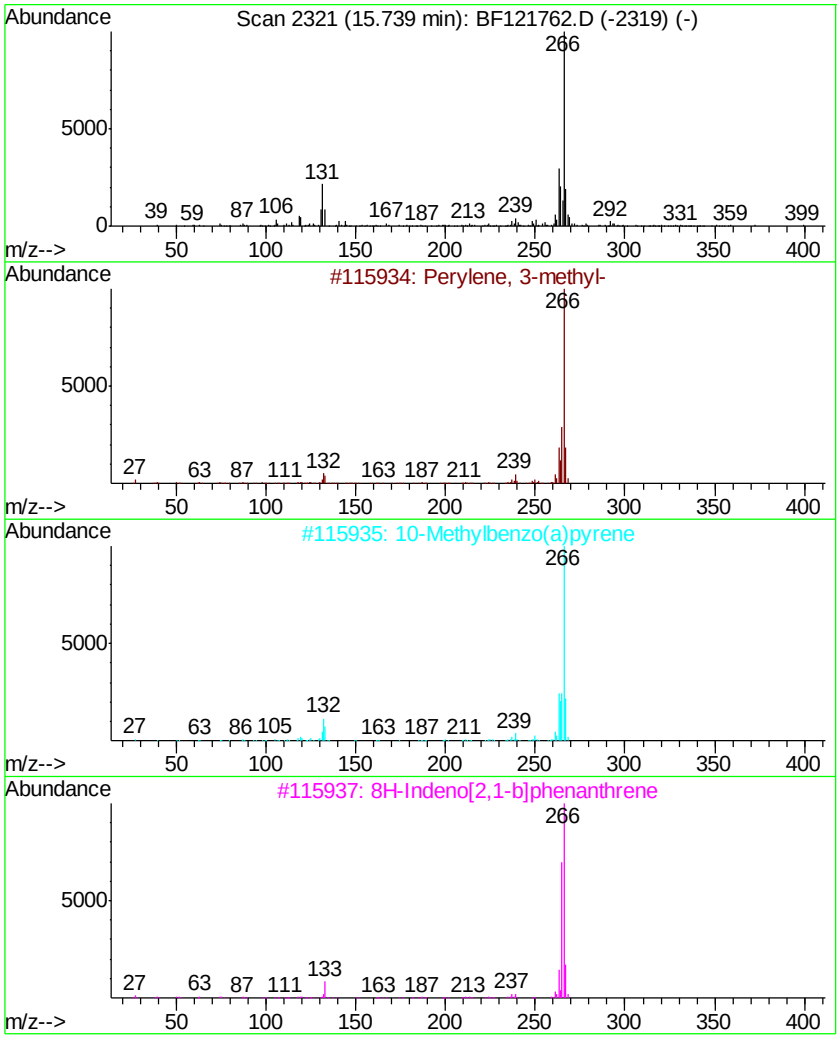
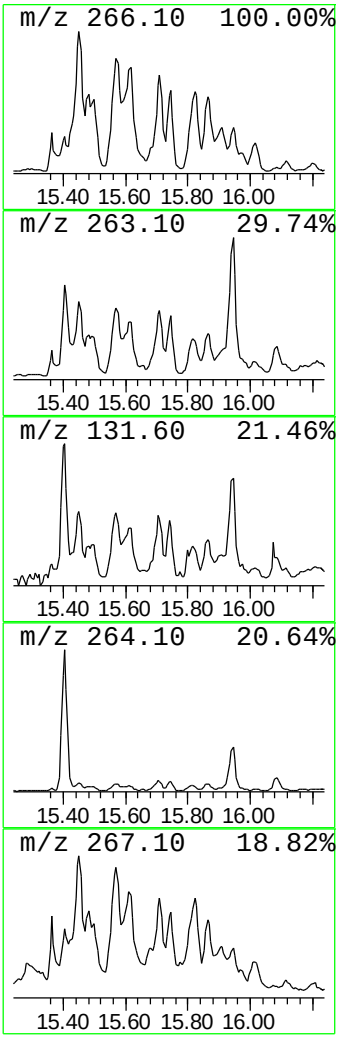
Peak Number 16 Perylene, 3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.74	11.39 ng	457575	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene, 3-methyl-	266	C21H14	024471-47-4	64
2	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	60
3	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	58
4	Bis[4-amino-3-cyanophenyl]sulfide	266	C14H10N4S	061382-02-3	52
5	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	52





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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-14(13-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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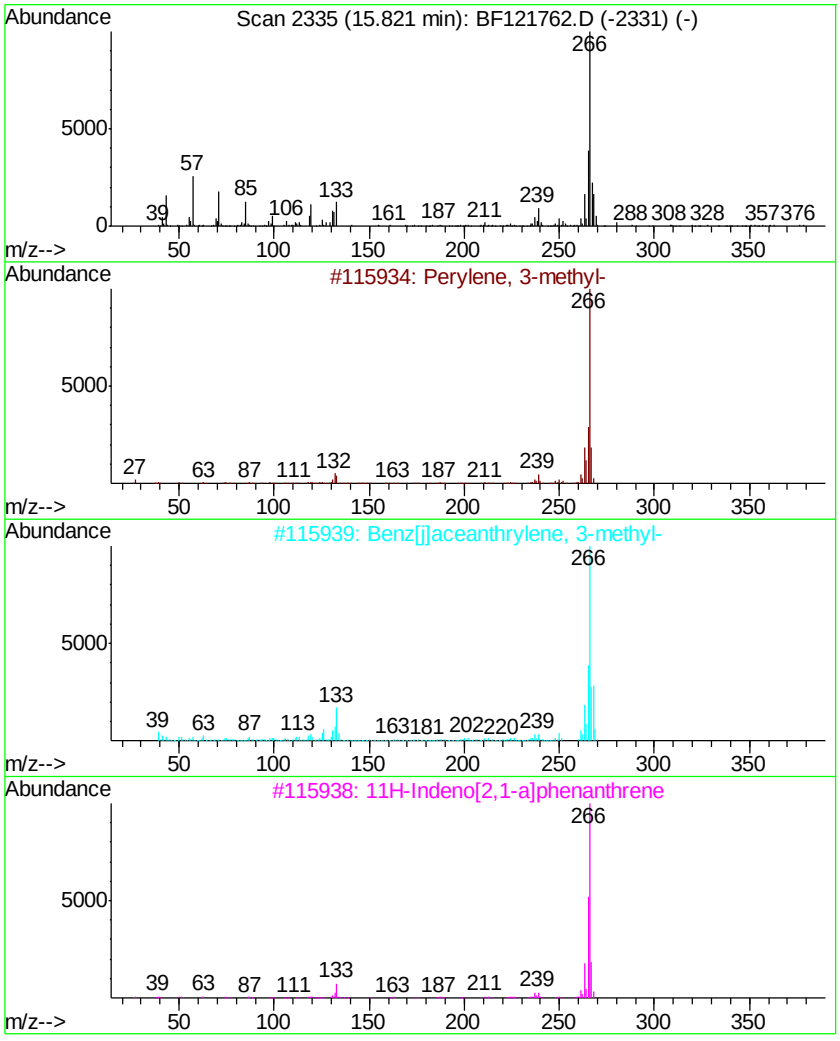
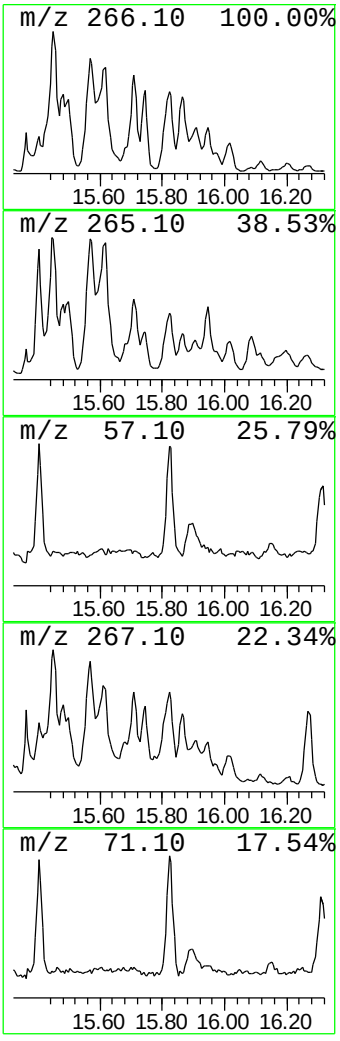
Peak Number 17 Benz[j]aceanthrylene, 3-met... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.82	10.16 ng	408151	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene, 3-methyl-	266	C21H14	024471-47-4	87
2	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	81
3	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	64
4	Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	64
5	2,3-Dihydro-7-methyl-5-phenyl-1H...	266	C16H14N2S	002888-60-0	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093020\
Data File : BF121762.D
Acq On : 1 Oct 2020 3:12
Operator : JU/CG
Sample : L4193-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-14(13-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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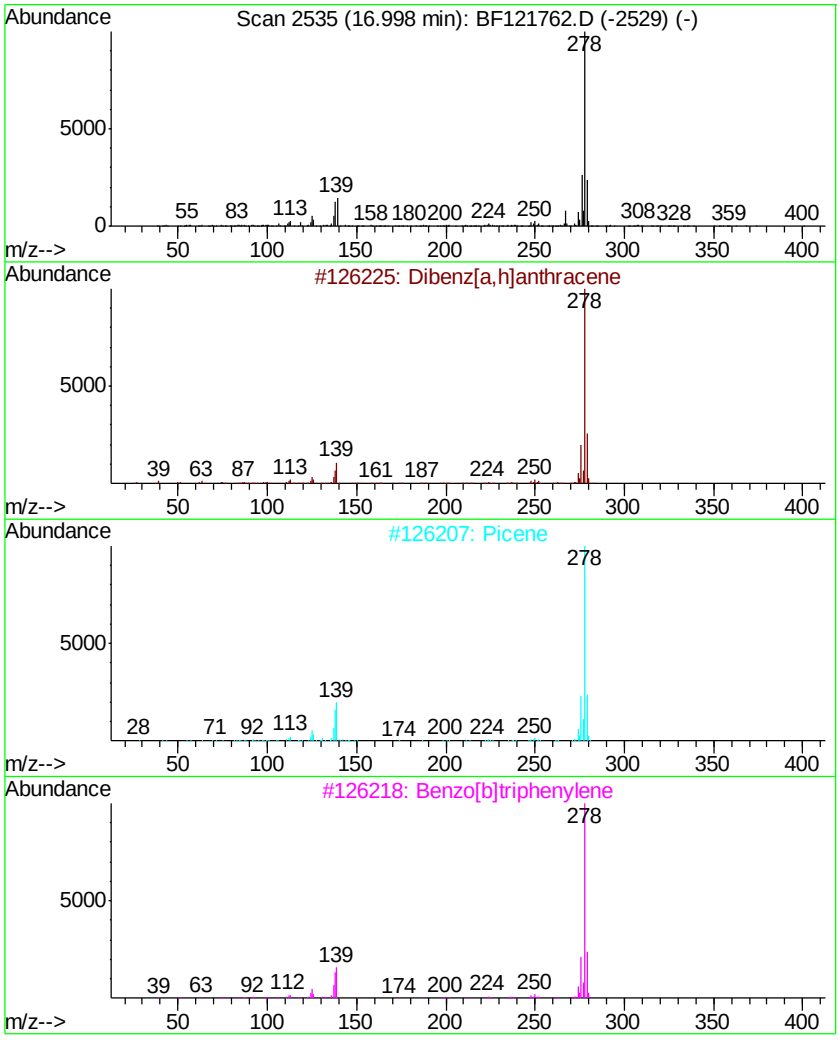
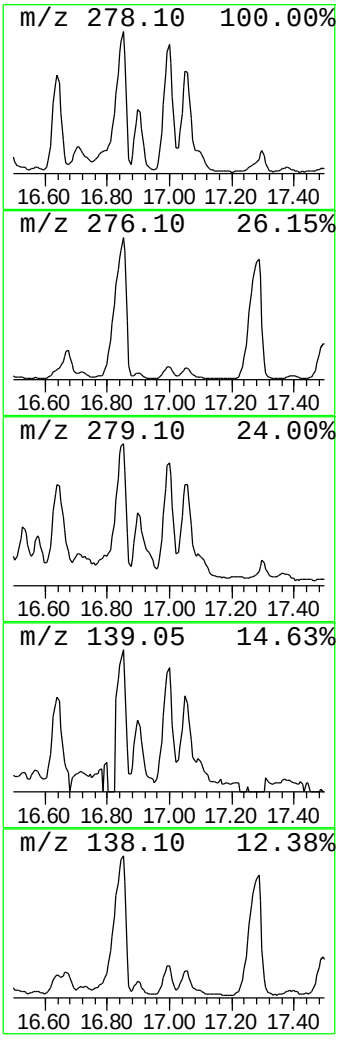
Peak Number 18 Picene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.00	24.47 ng	983209	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
2	Picene	278	C22H14	000213-46-7	98
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
4	Pentaphene	278	C22H14	000222-93-5	97
5	Benzo[a]naphthacene	278	C22H14	000226-88-0	95





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093020\
Data File : BF121762.D
Acq On : 1 Oct 2020 3:12
Operator : JU/CG
Sample : L4193-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-14(13-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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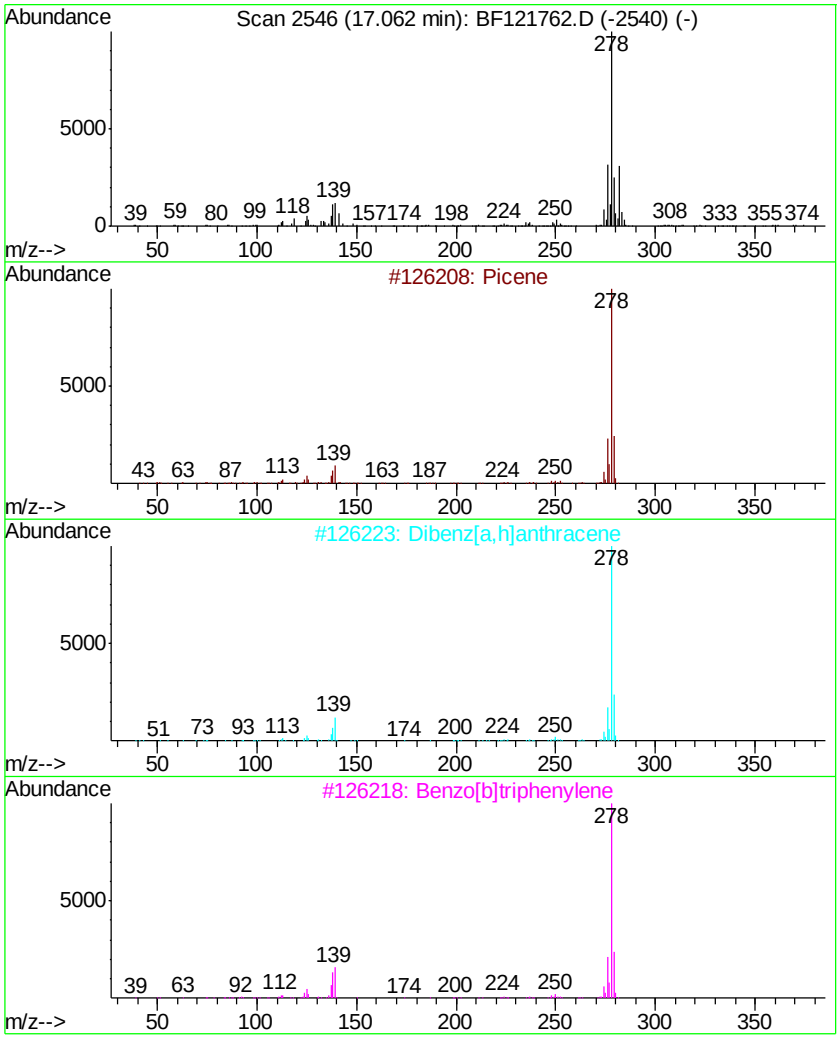
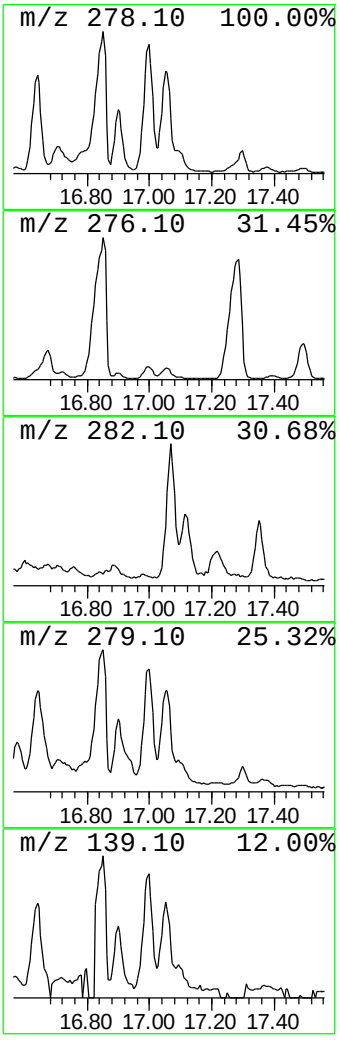
Peak Number 19 Benzo[b]triphenylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.06	15.99 ng	642417	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	98
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	96
4	Pentaphene	278	C22H14	000222-93-5	95
5	Benzo[a]naphthacene	278	C22H14	000226-88-0	94





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093020\
Data File : BF121762.D
Acq On : 1 Oct 2020 3:12
Operator : JU/CG
Sample : L4193-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-14(13-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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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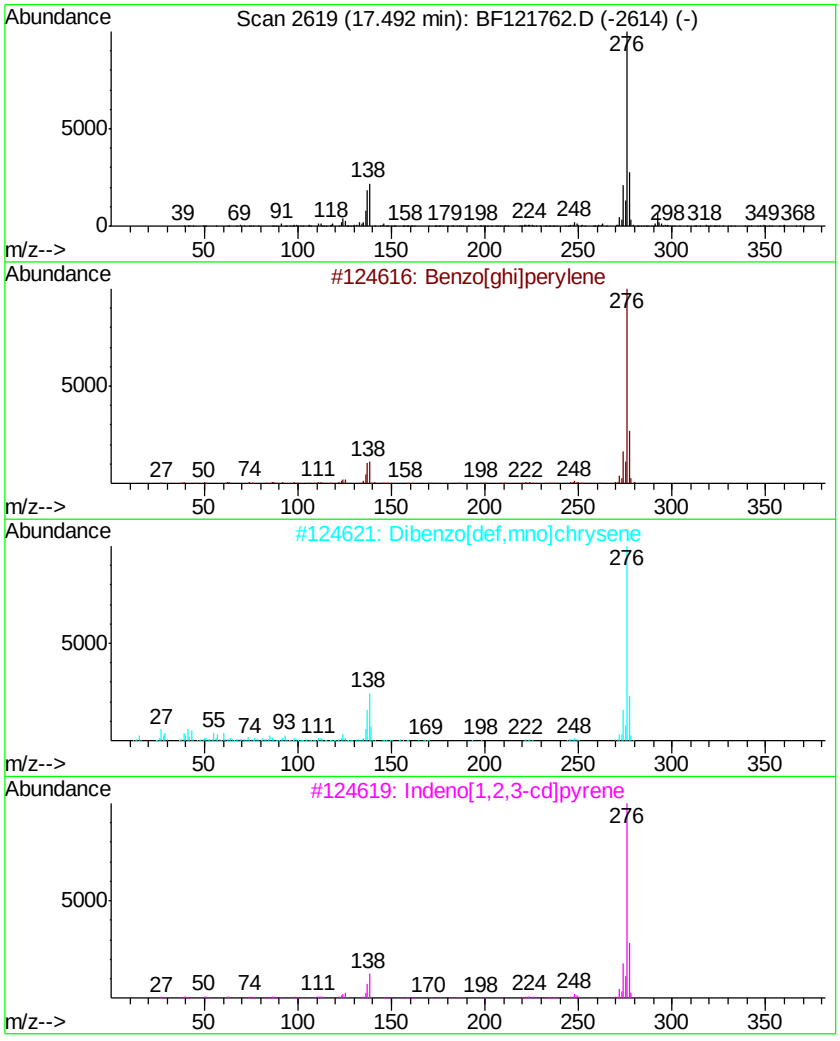
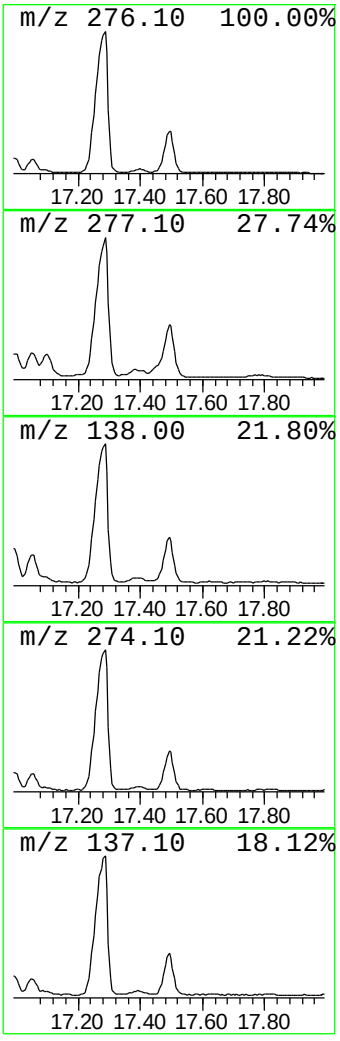
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.49	27.43 ng	1101950	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	96
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	96
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	89
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	68
5	6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF093020\
Data File : BF121762.D
Acq On : 1 Oct 2020 3:12
Operator : JU/CG
Sample : L4193-07
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-14(13-14)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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-...	9.47	10.1	ng	666154	3	9.82	1316660	20.0
Naphthalene, 2-(1...	9.92	6.3	ng	414822	3	9.82	1316660	20.0
Phenanthrene, 2-m...	11.80	4.9	ng	2296780	4	11.30	9338850	20.0
Phenanthrene, 1-m...	11.83	6.2	ng	2892870	4	11.30	9338850	20.0
Phenanthrene, 4-m...	11.92	8.3	ng	3887430	4	11.30	9338850	20.0
Phenanthrene, 2,5...	12.36	4.6	ng	2144650	4	11.30	9338850	20.0
Pyrene, 1-methyl-	12.97	5.1	ng	2587480	5	13.96	10147100	20.0
11H-Benzo[b]fluorene	13.08	4.2	ng	2133720	5	13.96	10147100	20.0
Fluoranthene, 2-m...	13.18	4.7	ng	2375830	5	13.96	10147100	20.0
Bis(2-butoxyethyl...	13.72	9.6	ng	4871570	5	13.96	10147100	20.0
11H-Benzo[a]fluor...	13.80	4.1	ng	2062030	5	13.96	10147100	20.0
1,1'-Binaphthalene	14.82	20.5	ng	821883	6	15.40	803472	20.0
Benzo[e]pyrene	15.09	31.6	ng	1270560	6	15.40	803472	20.0
Dinaphtho[1,2-b:1...	15.19	22.6	ng	909875	6	15.40	803472	20.0
Perylene	15.29	101.7	ng	4085780	6	15.40	803472	20.0
Perylene, 3-methyl-	15.74	11.4	ng	457575	6	15.40	803472	20.0
Benz[j]aceanthryl...	15.82	10.2	ng	408151	6	15.40	803472	20.0
Picene	17.00	24.5	ng	983209	6	15.40	803472	20.0
Benzo[b]triphenylene	17.06	16.0	ng	642417	6	15.40	803472	20.0
Dibenzo[def,mno]c...	17.49	27.4	ng	1101950	6	15.40	803472	20.0