LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090617\
Data File : BF098279.D
Acq On : 6 Sep 2017 18:18
Operator : SJ/JU
Sample : I5076-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-083117

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:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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	4.893	473	477	491	rVB	211562	355149	8.76%	0.510%
2	5.304	541	547	550	rBV	3135902	3825504	94.38%	5.498%
3	6.345	717	724	727	rBV	3256081	3989046	98.42%	5.733%
4	6.469	739	745	748	rBV	3391750	3711079	91.56%	5.333%
5	6.692	779	783	791	rVB	879413	706780	17.44%	1.016%
6	6.851	805	810	813	rBV	2975160	2781758	68.63%	3.998%
7	7.263	873	880	883	rBV	2336143	2558544	63.12%	3.677%
8	7.975	996	1001	1003	rBV	1129606	991900	24.47%	1.426%
9	7.998	1003	1005	1008	rVB	461130	347593	8.58%	0.500%
10	8.686	1117	1122	1126	rBV	403168	333278	8.22%	0.479%
11	8.786	1135	1139	1144	rVB	409784	339204	8.37%	0.487%
12	9.057	1179	1185	1188	rBV	3973004	4053241	100.00%	5.825%
13	9.151	1194	1201	1203	rBV2	81360	99171	2.45%	0.143%
14	9.316	1224	1229	1233	rBV	165388	223837	5.52%	0.322%
15	9.386	1238	1241	1244	rVV	282715	285023	7.03%	0.410%
16	9.416	1244	1246	1248	rVV	171023	146546	3.62%	0.211%
17	9.451	1248	1252	1255	rVV	405043	378263	9.33%	0.544%
18	9.504	1258	1261	1266	rVV	139629	155438	3.83%	0.223%
19	9.586	1270	1275	1281	rBV	374717	314573	7.76%	0.452%
20	9.728	1292	1299	1302	rBV	1165284	1075763	26.54%	1.546%
21	9.757	1302	1304	1308	rVB	355018	298428	7.36%	0.429%
22	9.928	1329	1333	1337	rVB	276420	267094	6.59%	0.384%
23	10.045	1349	1353	1355	rBV2	99478	111414	2.75%	0.160%
24	10.133	1363	1368	1370	rBV3	99824	132156	3.26%	0.190%
25	10.151	1370	1371	1378	rVV3	86301	140993	3.48%	0.203%
26	10.228	1378	1384	1386	rVV4	55225	91949	2.27%	0.132%
27	10.275	1388	1392	1398	rVV	524861	501499	12.37%	0.721%
28	10.339	1398	1403	1404	rVV2	84134	99182	2.45%	0.143%
29	10.386	1408	1411	1413	rVV2	96075	111289	2.75%	0.160%
30	10.433	1416	1419	1424	rVV2	132142	156832	3.87%	0.225%
31	10.522	1427	1434	1437	rVV	2181609	2322091	57.29%	3.337%
32	10.639	1450	1454	1461	rVB2	192782	233063	5.75%	0.335%
33	10.822	1480	1485	1487	rBV2	148016	177673	4.38%	0.255%
34	10.845	1487	1489	1493	rVV2	93971	98201	2.42%	0.141%

LSC Area Percent Report

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Data File : BF098279.D
Acq On : 6 Sep 2017 18:18
Operator : SJ/JU
Sample : I5076-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-083117

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:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.951	1501	1507	1508	rVV2	79975	98471	2.43%	0.142%
36	10.969	1508	1510	1512	rVV	95675	96550	2.38%	0.139%
37	11.016	1516	1518	1522	rVV2	129686	123939	3.06%	0.178%
38	11.063	1522	1526	1528	rVV	83813	108143	2.67%	0.155%
39	11.086	1528	1530	1531	rVV	108491	89511	2.21%	0.129%
40	11.104	1531	1533	1539	rVB	235731	252408	6.23%	0.363%
41	11.210	1547	1551	1553	rBV	998682	966357	23.84%	1.389%
42	11.239	1553	1556	1559	rVV	2438831	2161087	53.32%	3.106%
43	11.286	1559	1564	1567	rVB	865700	722841	17.83%	1.039%
44	11.322	1567	1570	1573	rBV2	102993	119566	2.95%	0.172%
45	11.439	1587	1590	1593	rBV	126858	125593	3.10%	0.180%
46	11.504	1599	1601	1604	rVB2	121019	104102	2.57%	0.150%
47	11.539	1604	1607	1613	rVB3	136187	138419	3.42%	0.199%
48	11.622	1616	1621	1624	rVB3	86983	121544	3.00%	0.175%
49	11.710	1632	1636	1639	rBV	525231	489359	12.07%	0.703%
50	11.739	1639	1641	1645	rVB	726388	543865	13.42%	0.782%
51	11.786	1645	1649	1652	rBV	266624	239009	5.90%	0.343%
52	11.822	1652	1655	1657	rVV	842088	806001	19.89%	1.158%
53	11.845	1657	1659	1664	rVB	388878	319860	7.89%	0.460%
54	12.004	1684	1686	1689	rBV	278682	250025	6.17%	0.359%
55	12.033	1689	1691	1695	rVB	190913	155809	3.84%	0.224%
56	12.157	1709	1712	1714	rVV	127104	126503	3.12%	0.182%
57	12.186	1714	1717	1719	rVV	167561	151430	3.74%	0.218%
58	12.210	1719	1721	1724	rVB	126393	98842	2.44%	0.142%
59	12.263	1726	1730	1732	rBV	329555	368510	9.09%	0.530%
60	12.298	1732	1736	1738	rVV2	245867	338608	8.35%	0.487%
61	12.345	1742	1744	1749	rVV2	272604	302391	7.46%	0.435%
62	12.427	1753	1758	1761	rBV	3048512	3252012	80.23%	4.674%
63	12.516	1770	1773	1776	rVB	143096	125679	3.10%	0.181%
64	12.569	1776	1782	1787	rBV4	161741	291299	7.19%	0.419%
65	12.657	1790	1797	1802	rBV2	2788988	3550143	87.59%	5.102%
66	12.698	1802	1804	1809	rVB2	189821	235483	5.81%	0.338%
67	12.769	1812	1816	1817	rBV2	213306	200241	4.94%	0.288%
68	12.798	1817	1821	1827	rVB	2719441	3148657	77.68%	4.525%
69	12.869	1827	1833	1837	rBV3	288596	496109	12.24%	0.713%
70	12.951	1844	1847	1849	rBV3	223115	253791	6.26%	0.365%
71	12.974	1849	1851	1855	rVB	499040	480967	11.87%	0.691%

LSC Area Percent Report

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Acq On : 6 Sep 2017 18:18
Operator : SJ/JU
Sample : I5076-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-083117

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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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.045	1855	1863	1865	rBV	391709	462166	11.40%	0.664%
73	13.080	1865	1869	1872	rBV2	433416	449073	11.08%	0.645%
74	13.169	1881	1884	1887	rVB	225064	206660	5.10%	0.297%
75	13.204	1887	1890	1893	rBV	248575	252315	6.23%	0.363%
76	13.374	1913	1919	1921	rBV7	102757	187955	4.64%	0.270%
77	13.480	1935	1937	1942	rVB	313279	319825	7.89%	0.460%
78	13.592	1952	1956	1959	rBV	338983	396076	9.77%	0.569%
79	13.621	1959	1961	1963	rVV	310178	263174	6.49%	0.378%
80	13.645	1963	1965	1971	rVV3	257977	378427	9.34%	0.544%
81	13.692	1971	1973	1981	rVB	377356	418016	10.31%	0.601%
82	13.839	1992	1998	2002	rBV2	1772972	2794172	68.94%	4.016%
83	13.874	2002	2004	2011	rVB	1627355	1371521	33.84%	1.971%
84	13.951	2014	2017	2019	rVB	288365	212454	5.24%	0.305%
85	13.992	2021	2024	2026	rBV	144822	145389	3.59%	0.209%
86	14.074	2033	2038	2040	rVB2	101817	150639	3.72%	0.216%
87	14.233	2062	2065	2067	rVV	345371	329527	8.13%	0.474%
88	14.263	2067	2070	2074	rVB	213621	177014	4.37%	0.254%
89	14.321	2078	2080	2083	rVV2	167813	191245	4.72%	0.275%
90	14.357	2083	2086	2088	rVV2	228234	254021	6.27%	0.365%
91	14.374	2088	2089	2092	rVB2	172280	116922	2.88%	0.168%
92	14.610	2127	2129	2132	rBV2	88676	96675	2.39%	0.139%
93	14.863	2167	2172	2175	rBV	1267040	2151127	53.07%	3.092%
94	14.957	2185	2188	2192	rVB	303115	287855	7.10%	0.414%
95	15.139	2215	2219	2225	rVB	709406	973217	24.01%	1.399%
96	15.204	2225	2230	2234	rBV	1208468	1405691	34.68%	2.020%
97	15.257	2235	2239	2242	rVV	505431	664345	16.39%	0.955%
98	15.286	2242	2244	2250	rVB2	412163	450444	11.11%	0.647%
99	16.615	2464	2470	2478	rVB2	464290	888983	21.93%	1.278%
100	17.027	2534	2540	2552	rVB	340787	719273	17.75%	1.034%

Sum of corrected areas: 69580879

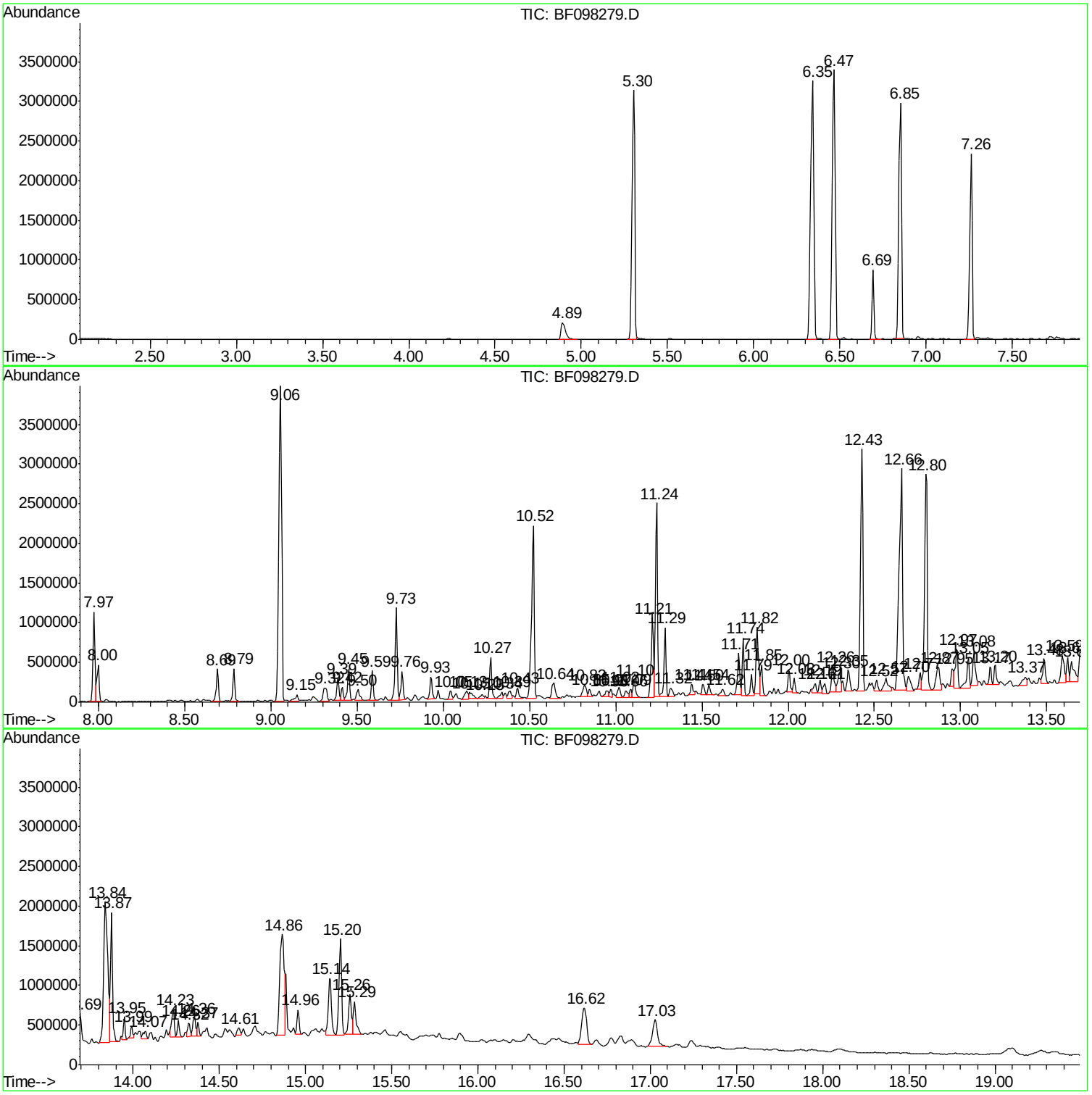
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090617\
Data File : BF098279.D
Acq On : 6 Sep 2017 18:18
Operator : SJ/JU
Sample : I5076-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-083117

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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 : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090617\
Data File : BF098279.D
Acq On : 6 Sep 2017 18:18
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Sample : I5076-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-083117

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

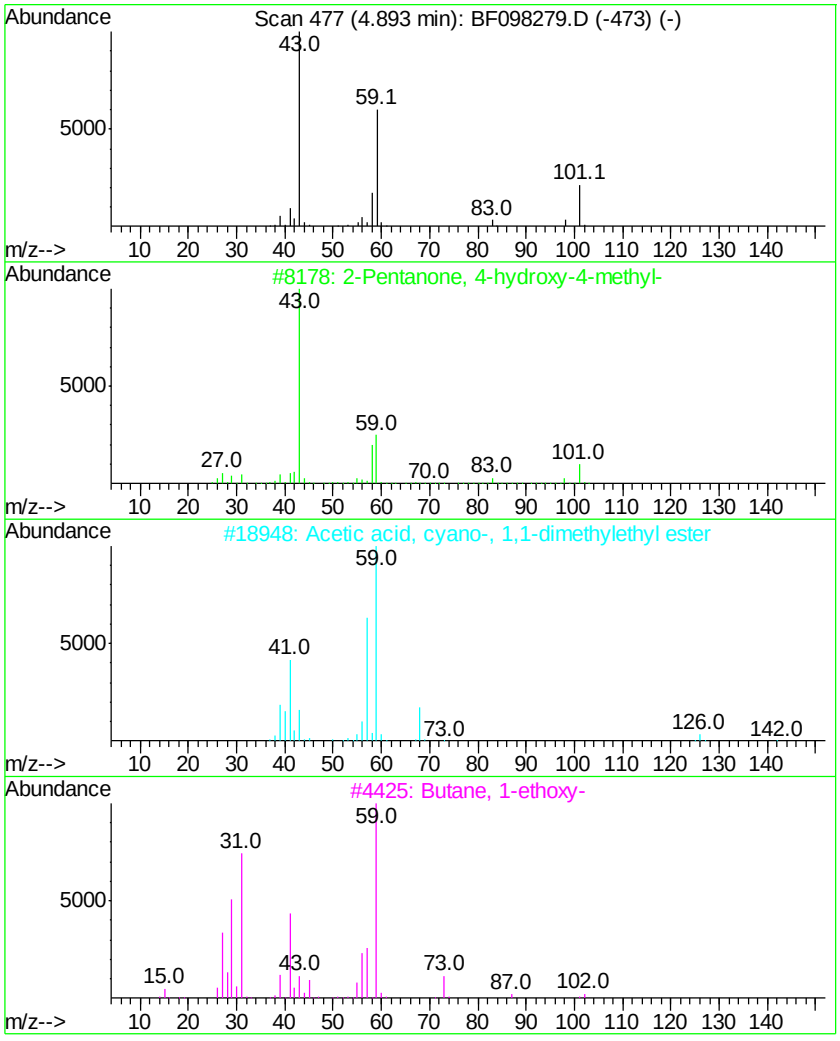
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

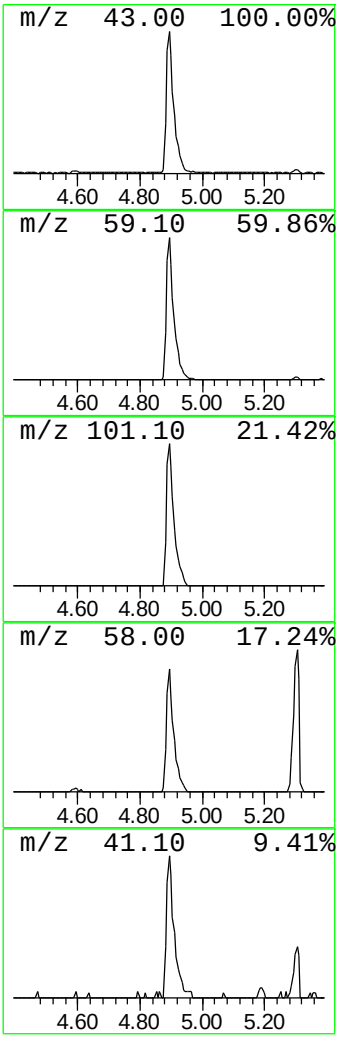
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.89	10.05 ng	355149	1,4-Dichlorobenzene-d4	6.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090617\
Data File : BF098279.D
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Operator : SJ/JU
Sample : I5076-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-083117

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

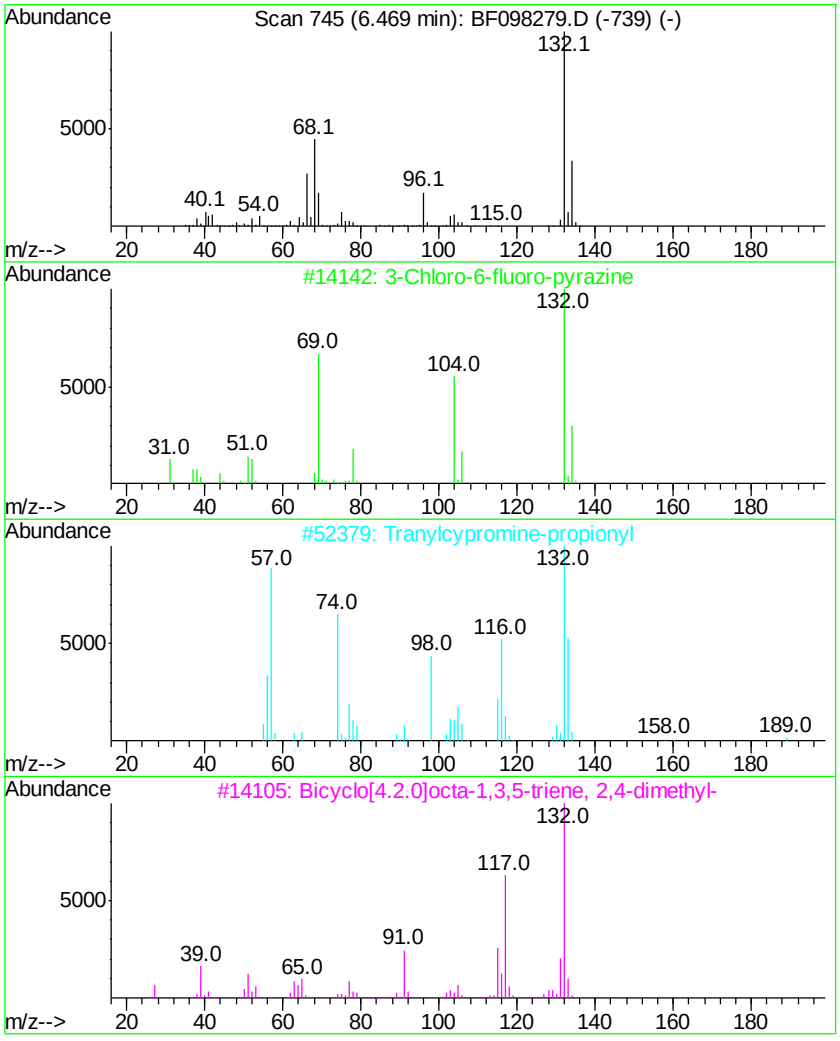
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

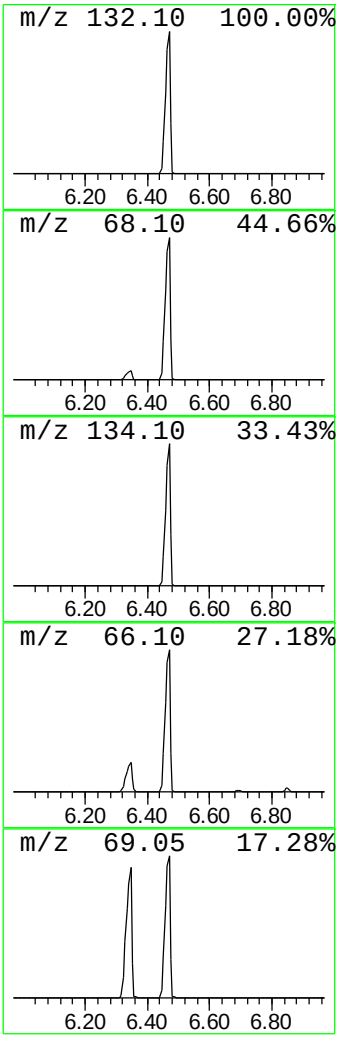
****

Peak Number 2 unknown6.47 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	105.01 ng	3711080	1,4-Dichlorobenzene-d4	6.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	Xenon	132	Xe	007440-63-3	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090617\
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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-083117

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

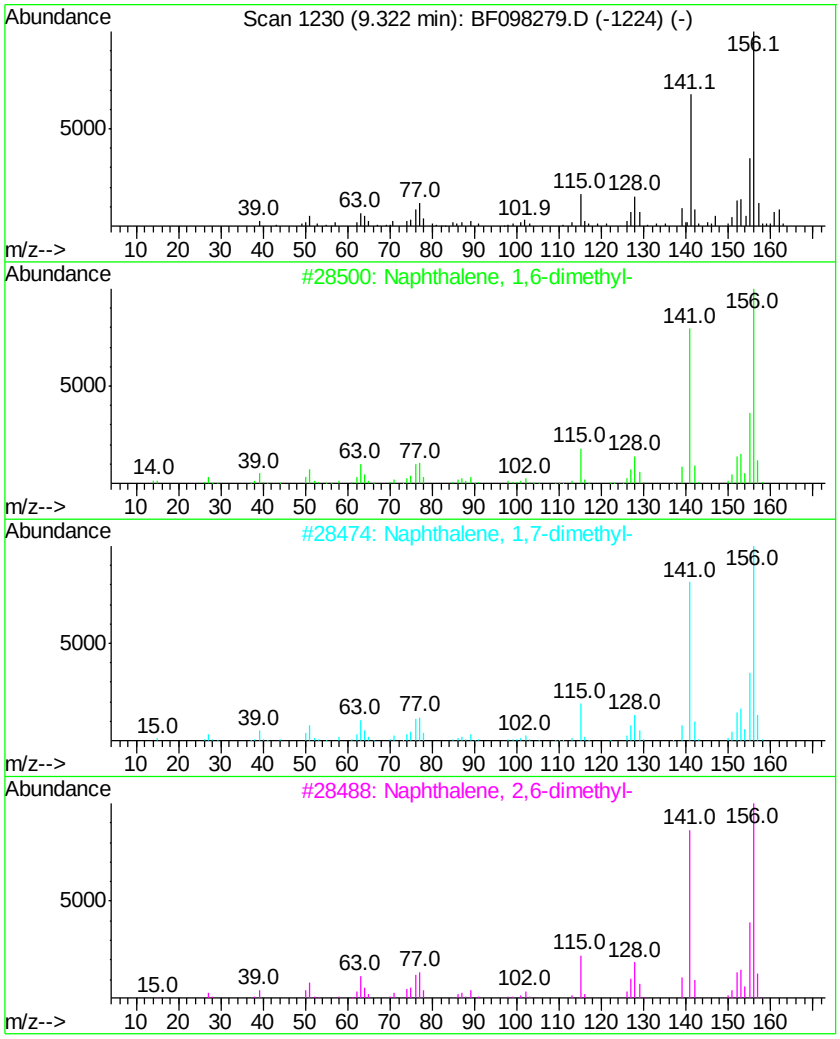
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

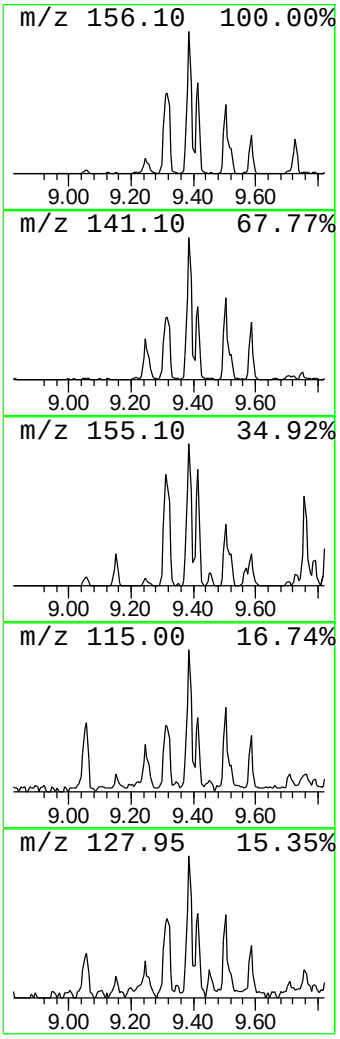
****

Peak Number 5 Naphthalene, 1,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.32	4.16 ng	223837	Acenaphthene-d10	9.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090617\
Data File : BF098279.D
Acq On : 6 Sep 2017 18:18
Operator : SJ/JU
Sample : I5076-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-083117

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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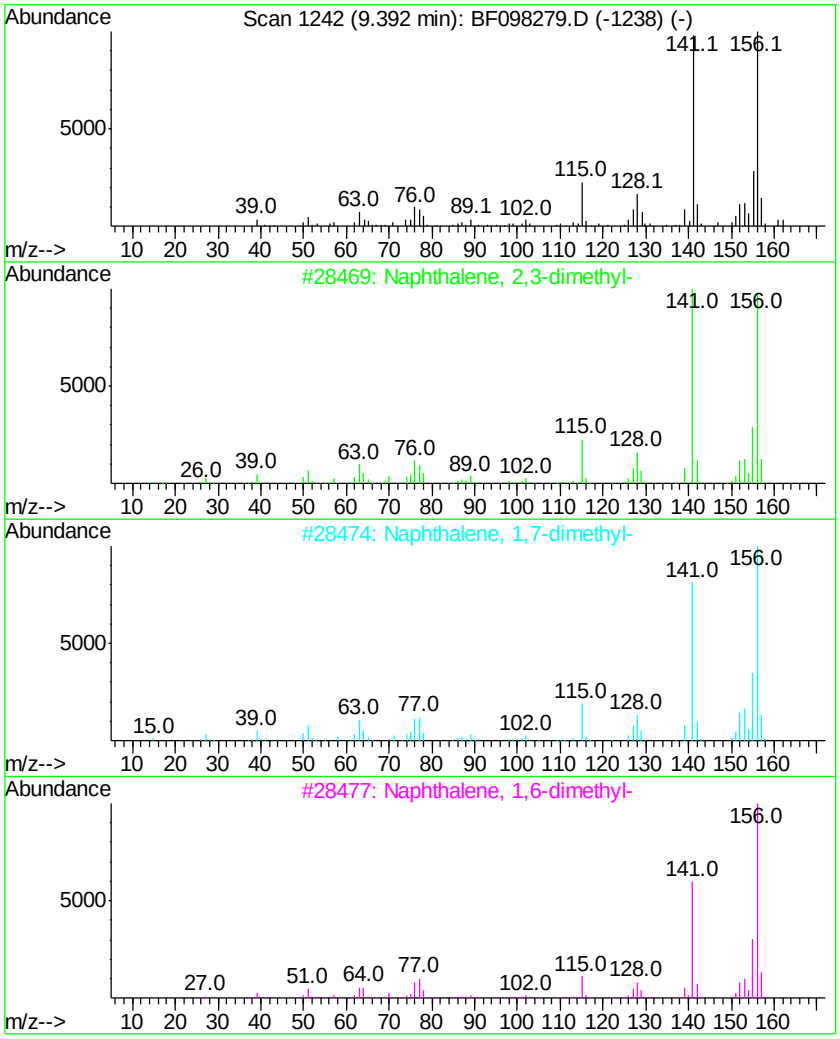
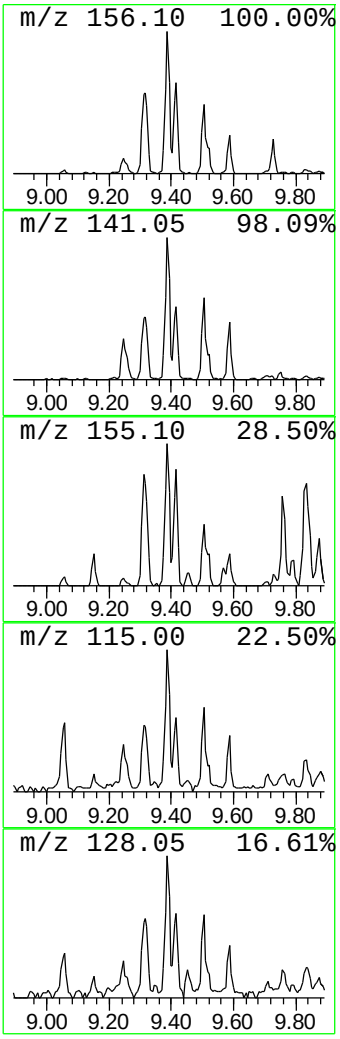
Peak Number 6 Naphthalene, 2,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.39	5.30 ng	285023	Acenaphthene-d10	9.73

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, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090617\
Data File : BF098279.D
Acq On : 6 Sep 2017 18:18
Operator : SJ/JU
Sample : I5076-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-083117

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

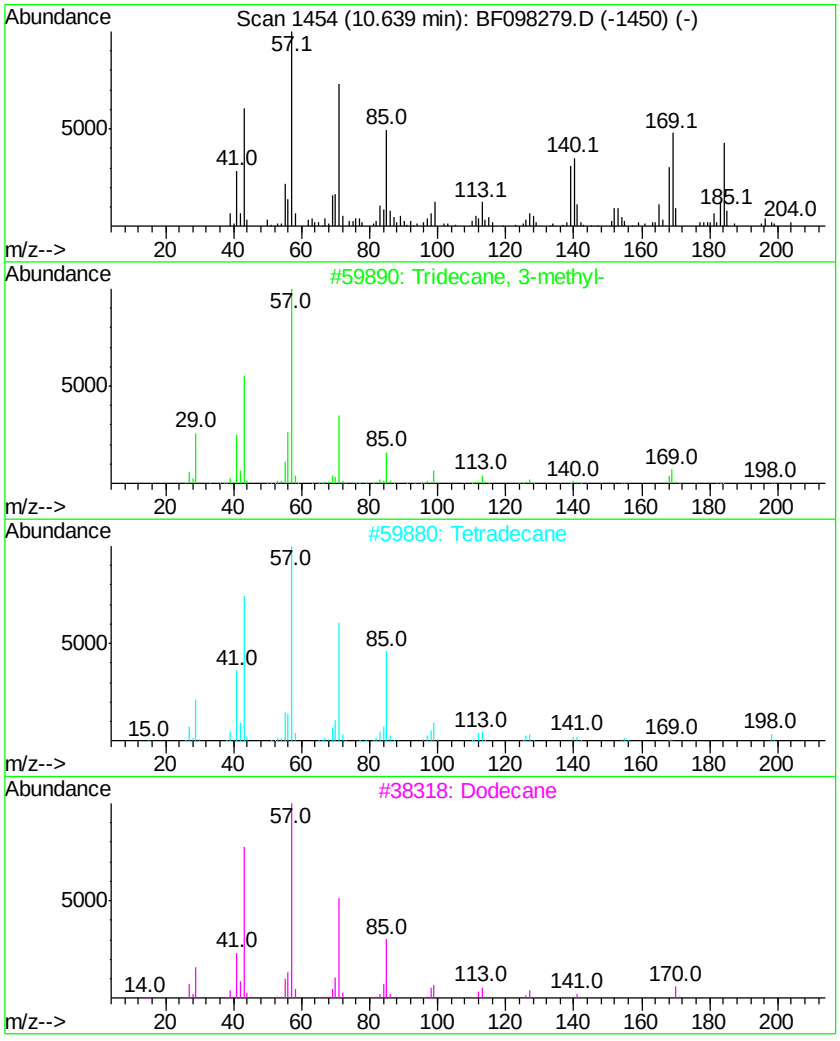
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

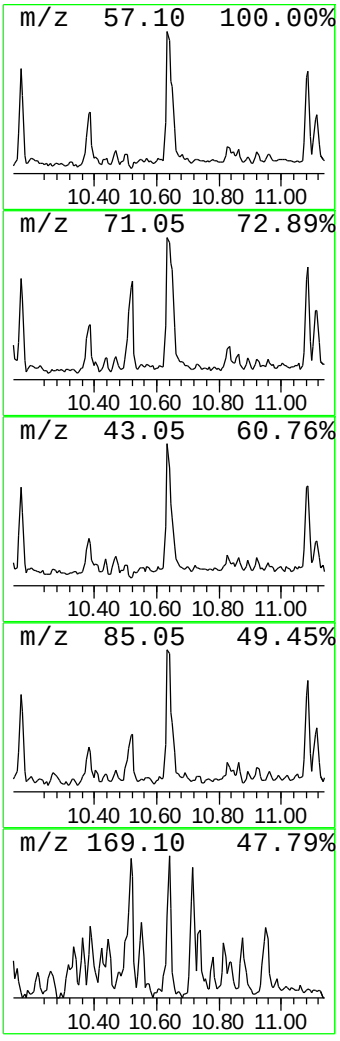
****

Peak Number 7 Tridecane, 3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.64	4.82 ng	233063	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 3-methyl-	198	C14H30	006418-41-3	53
2	Tetradecane	198	C14H30	000629-59-4	43
3	Dodecane	170	C12H26	000112-40-3	38
4	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	30
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	25





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Sample : I5076-01
Misc :
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Instrument : BNA_F
ClientSampleId : OR-02-083117

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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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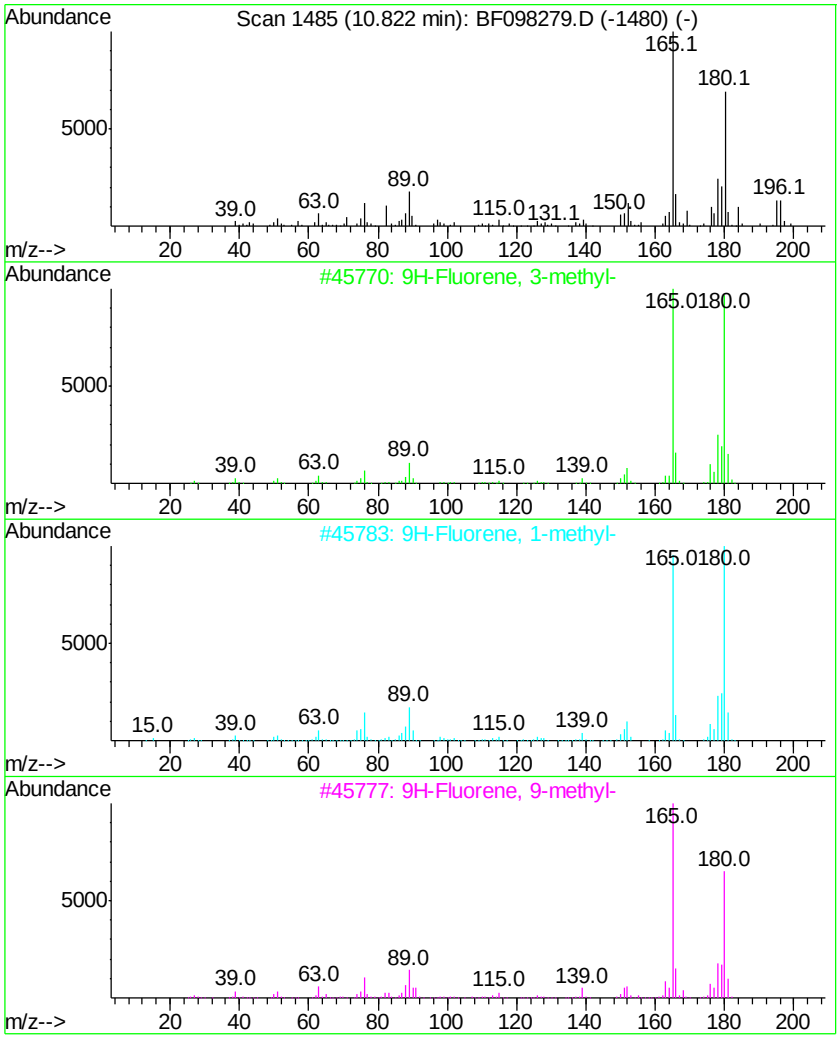
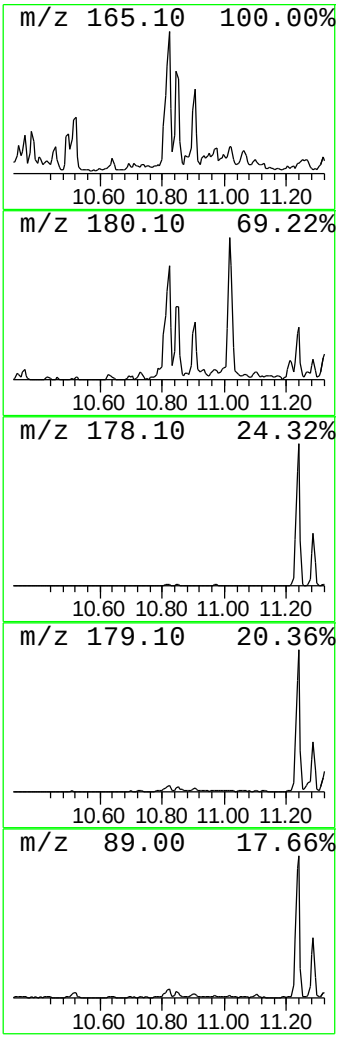
Peak Number 8 9H-Fluorene, 3-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.82	3.68 ng	177673	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	86
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	86
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	86
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	86
5	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	64





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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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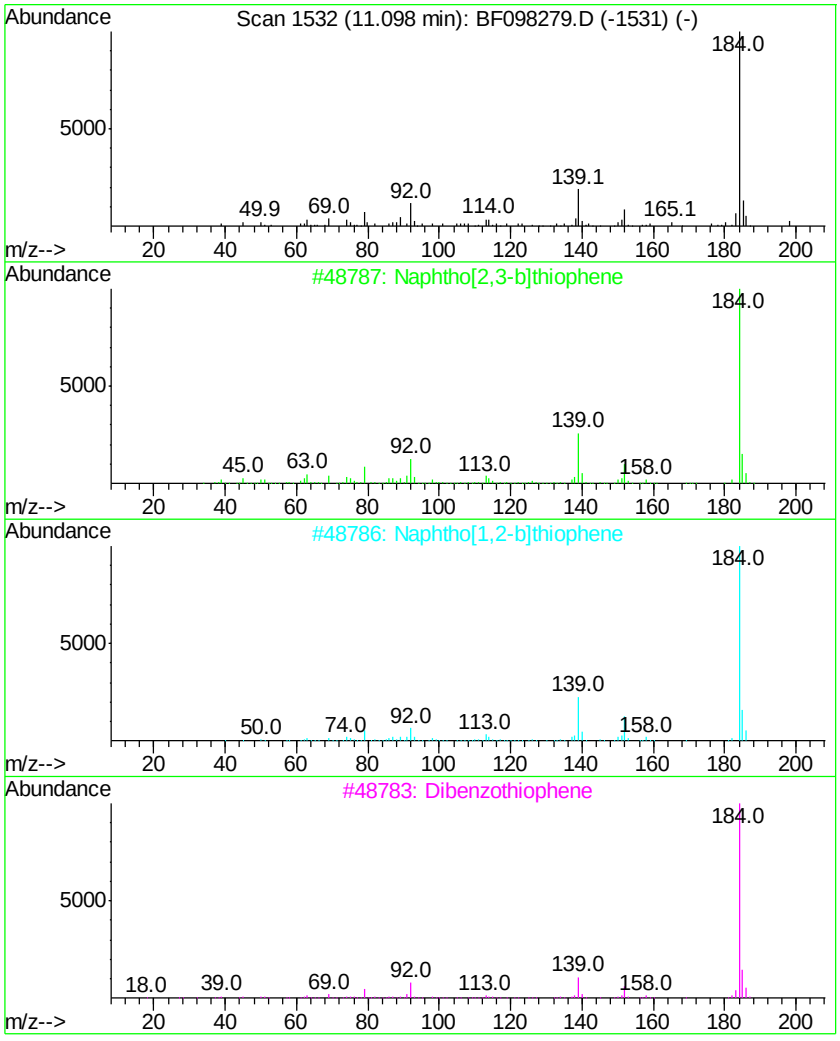
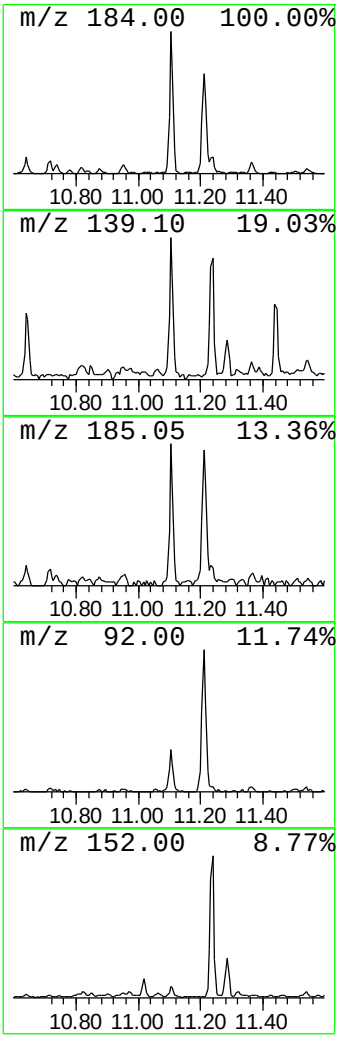
Peak Number 9 Naphtho[2,3-b]thiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	5.22 ng	252408	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	95
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91





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

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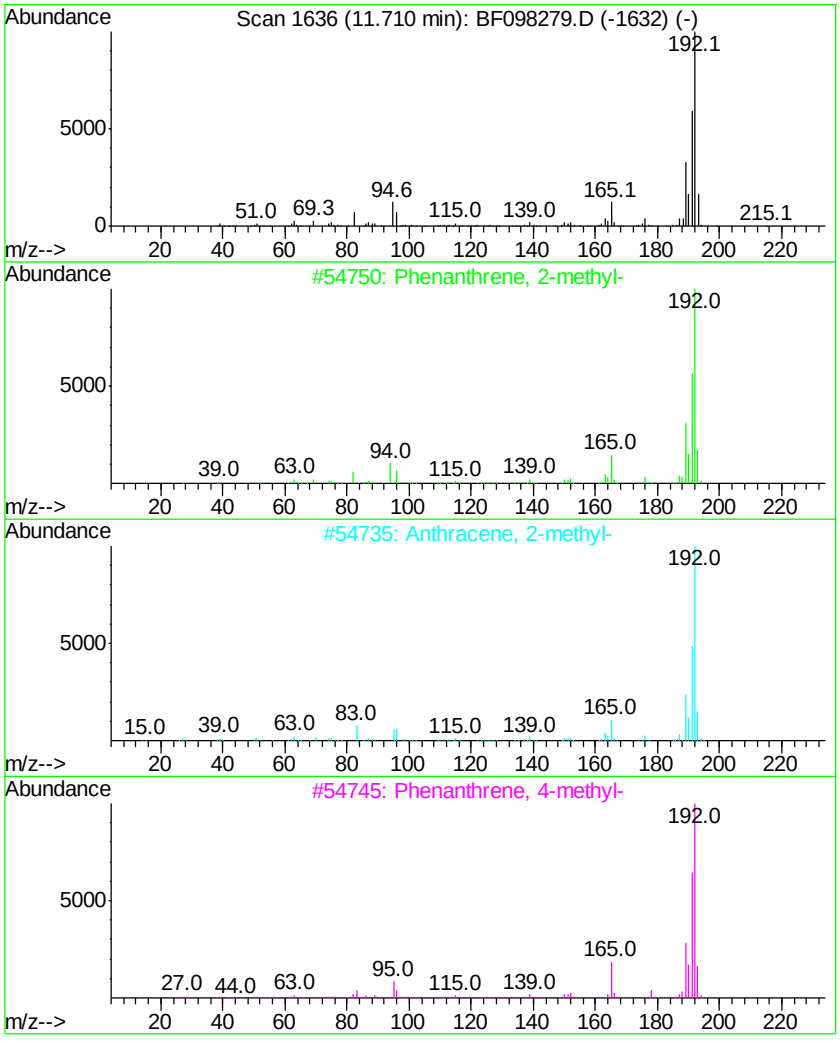
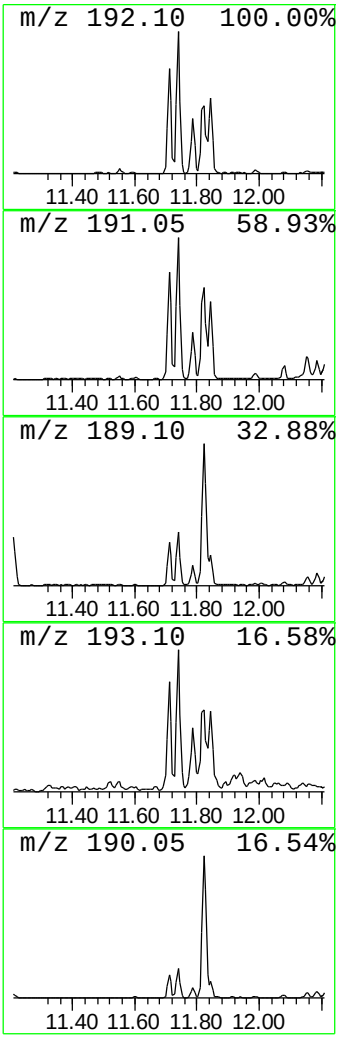
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.71	10.13 ng	489359	Phenanthrene-d10	11.21

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	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





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ClientSampleId : OR-02-083117

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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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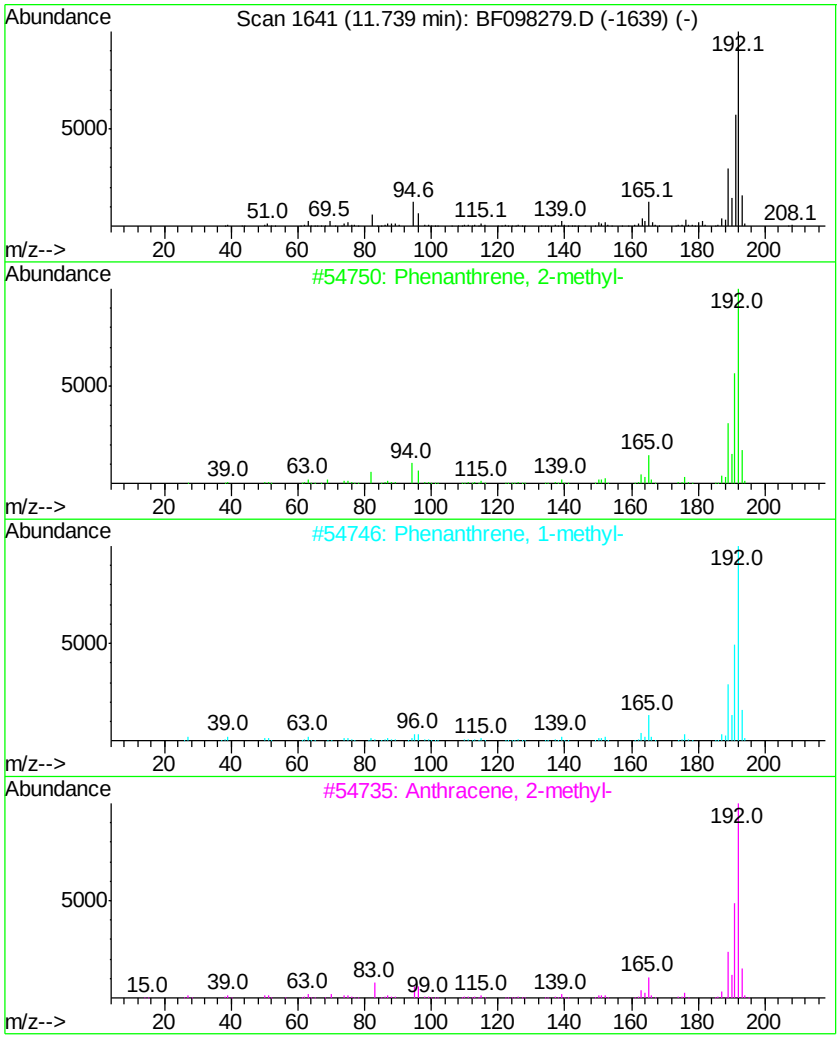
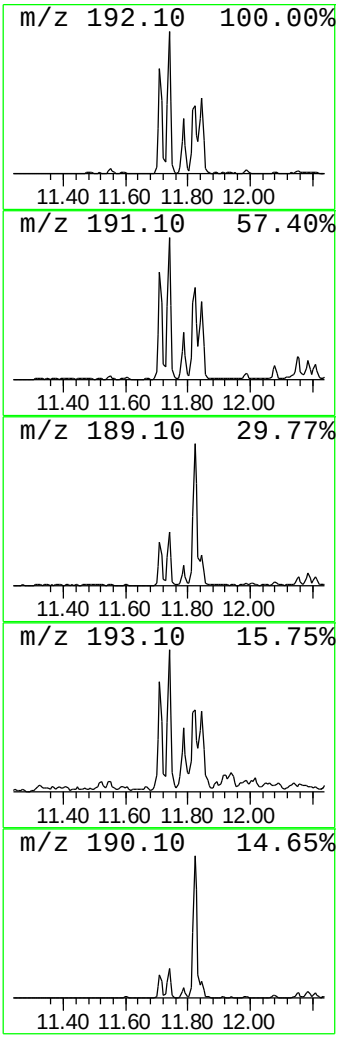
Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	11.26 ng	543865	Phenanthrene-d10	11.21

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	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92





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Sample : I5076-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-083117

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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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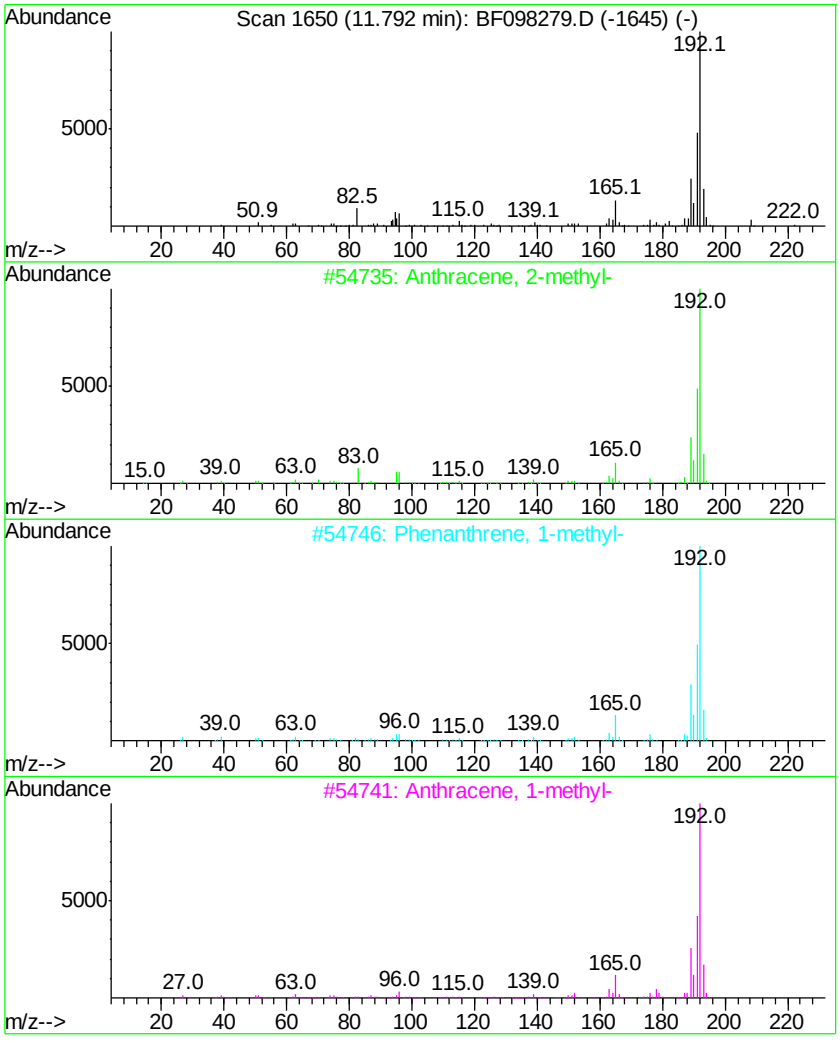
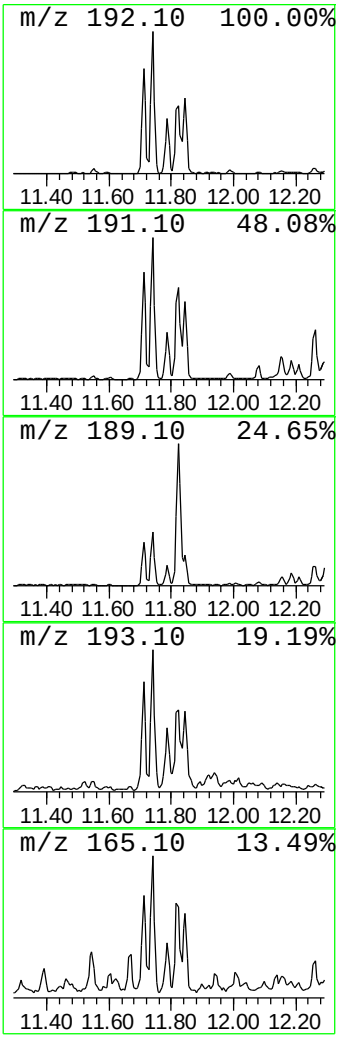
Peak Number 12 Anthracene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	4.95 ng	239009	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





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ClientSampleId : OR-02-083117

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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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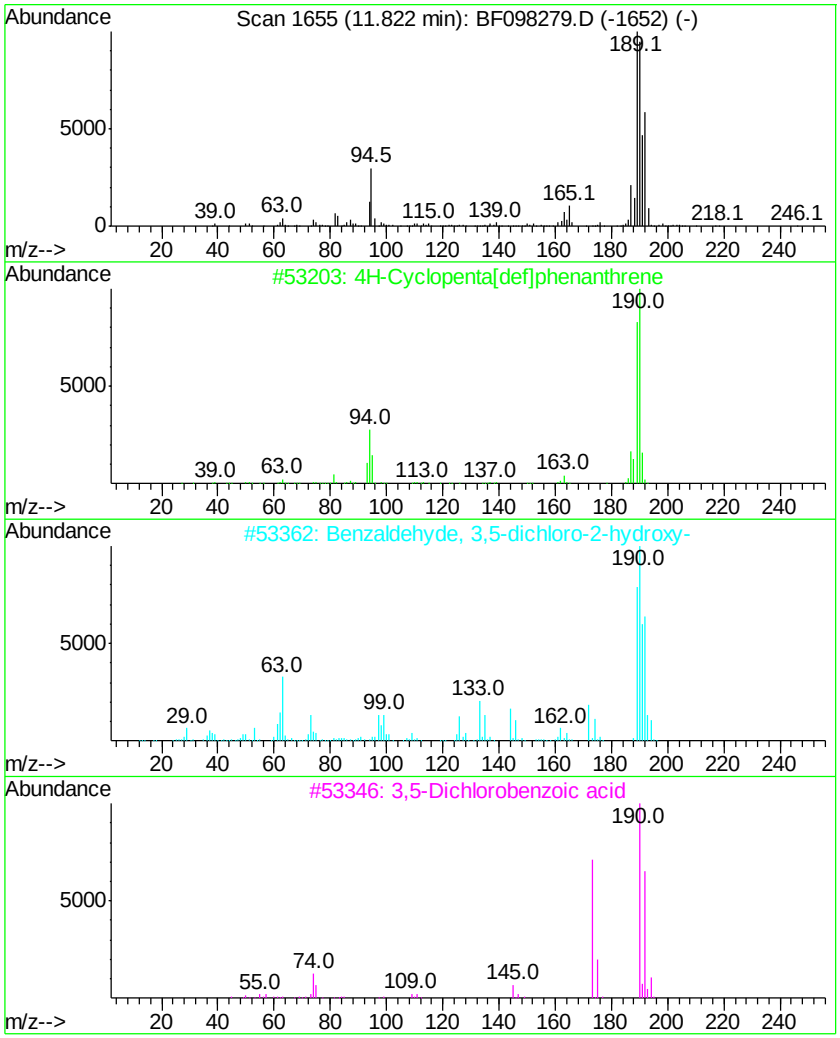
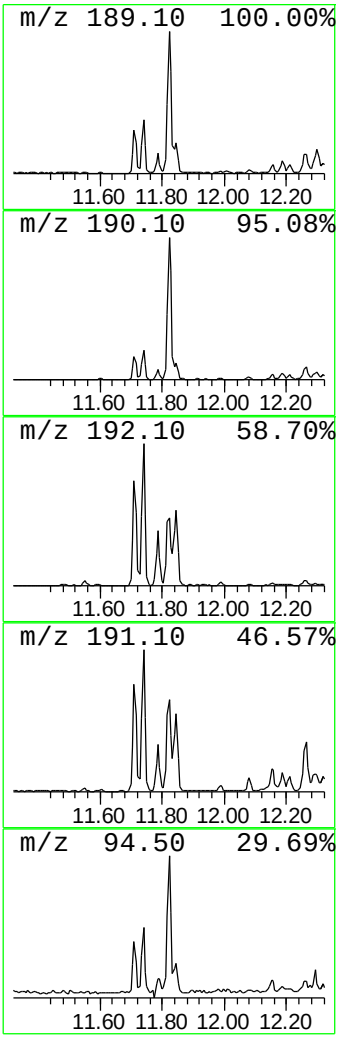
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	16.68 ng	806001	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	47
3	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	30
4	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	22
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	20





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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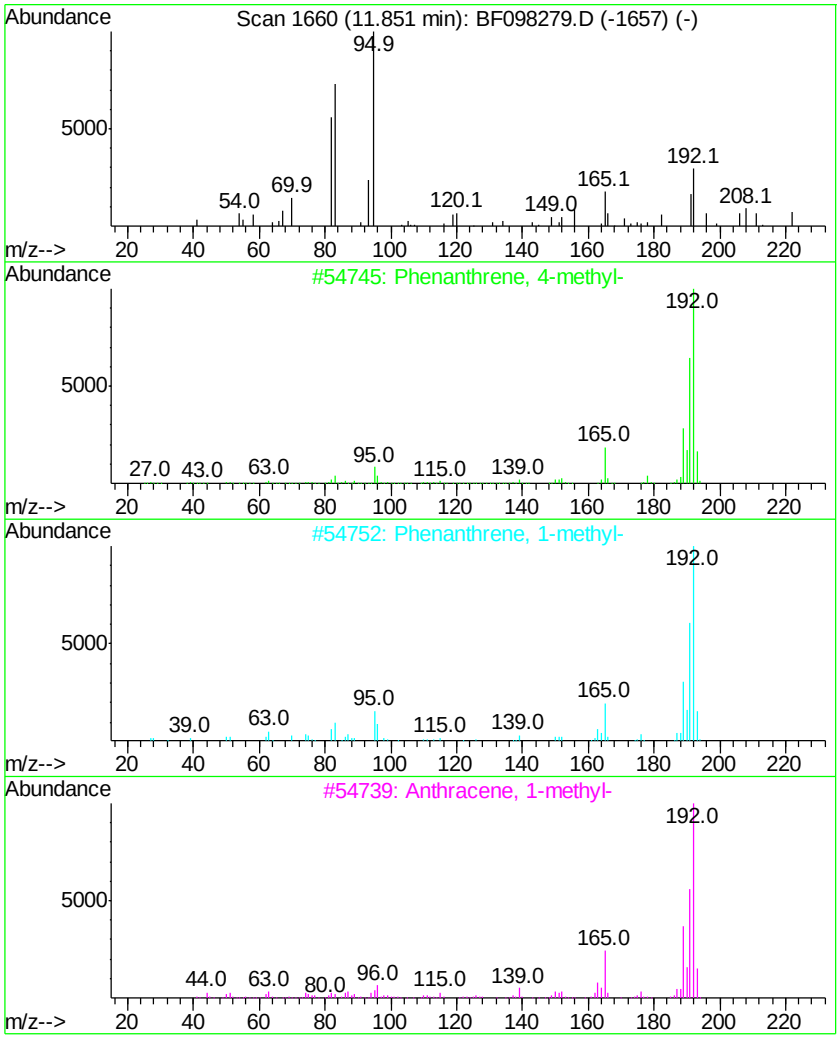
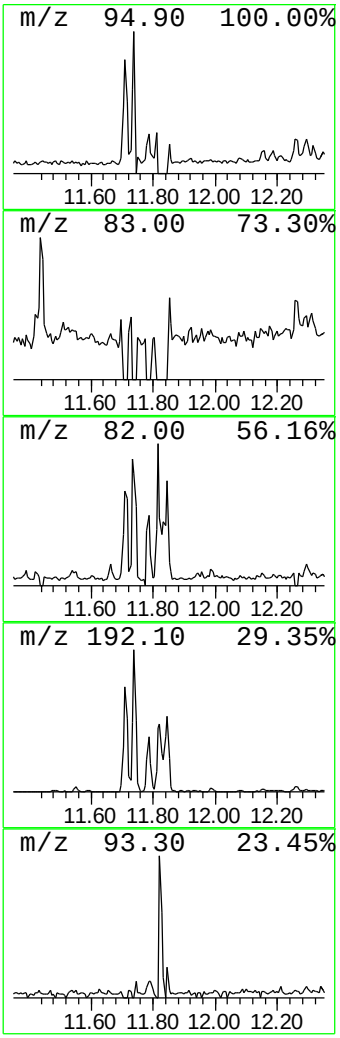
Peak Number 14 Phenanthrene, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	6.62 ng	319860	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	86
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86





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Misc :
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Instrument : BNA_F
ClientSampleId : OR-02-083117

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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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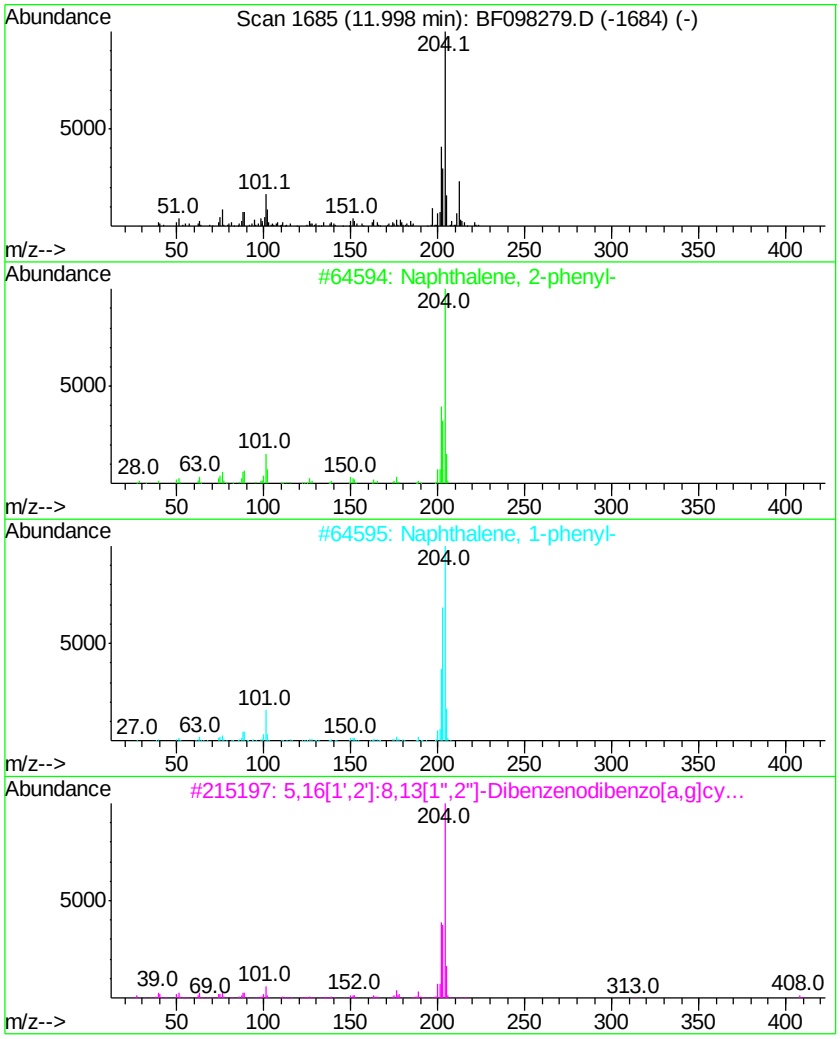
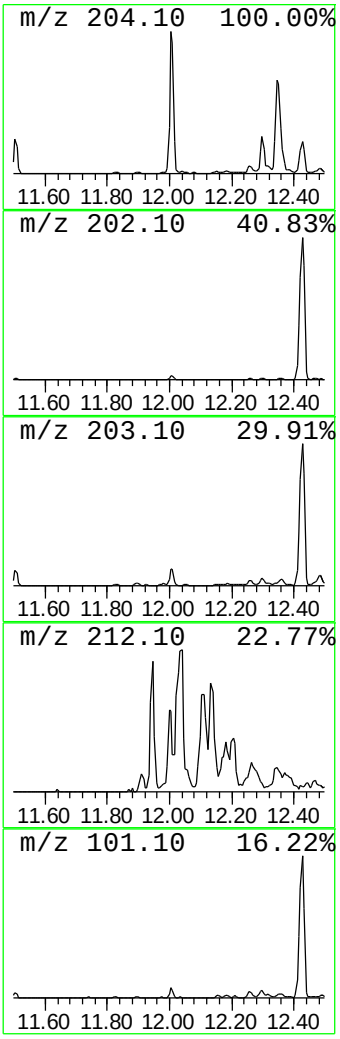
Peak Number 15 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	5.17 ng	250025	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5	Levamisole	204	C11H12N2S	014769-73-4	50





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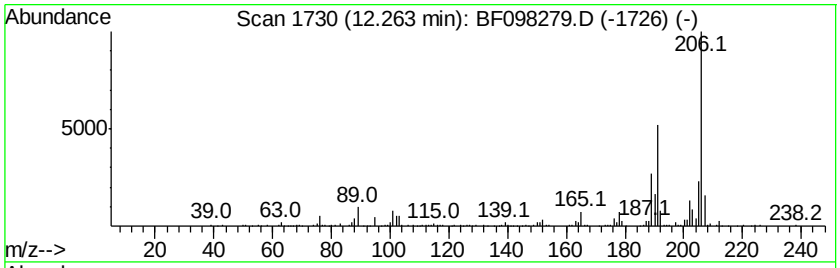
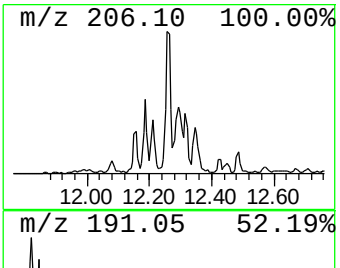
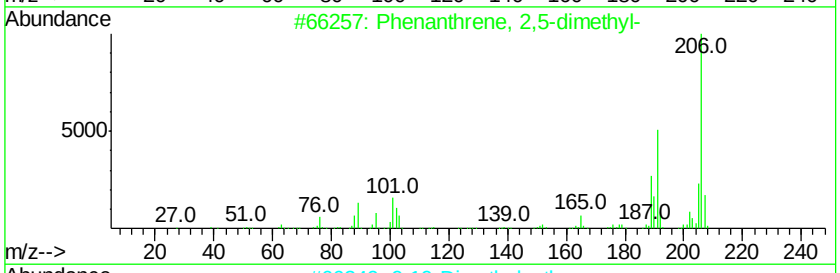
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

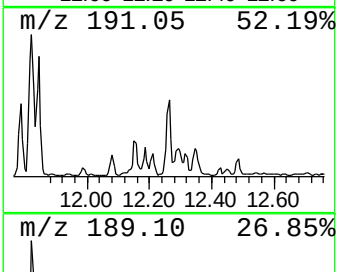
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	7.63 ng	368510	Phenanthrene-d10	11.21

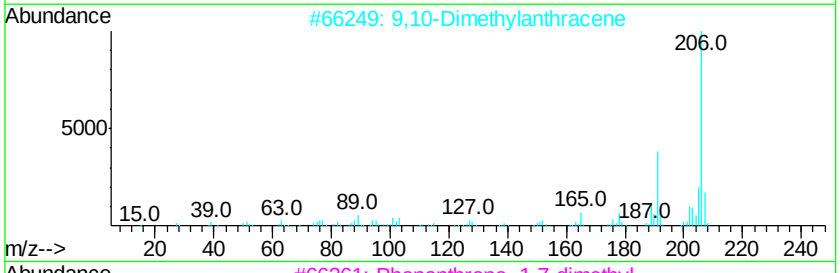
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90

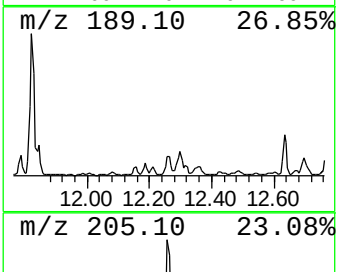


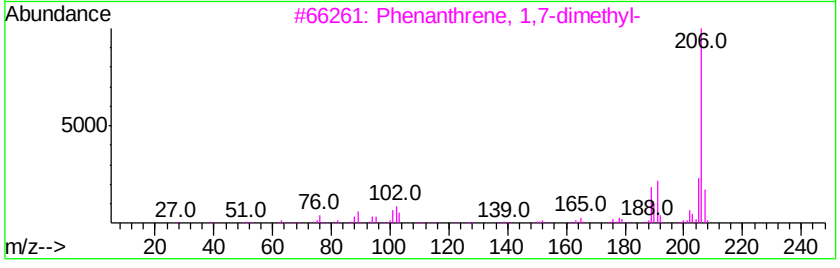


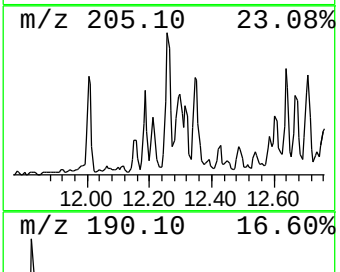


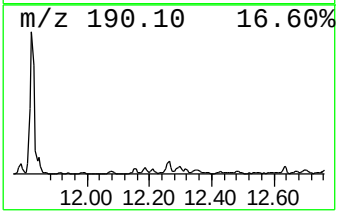












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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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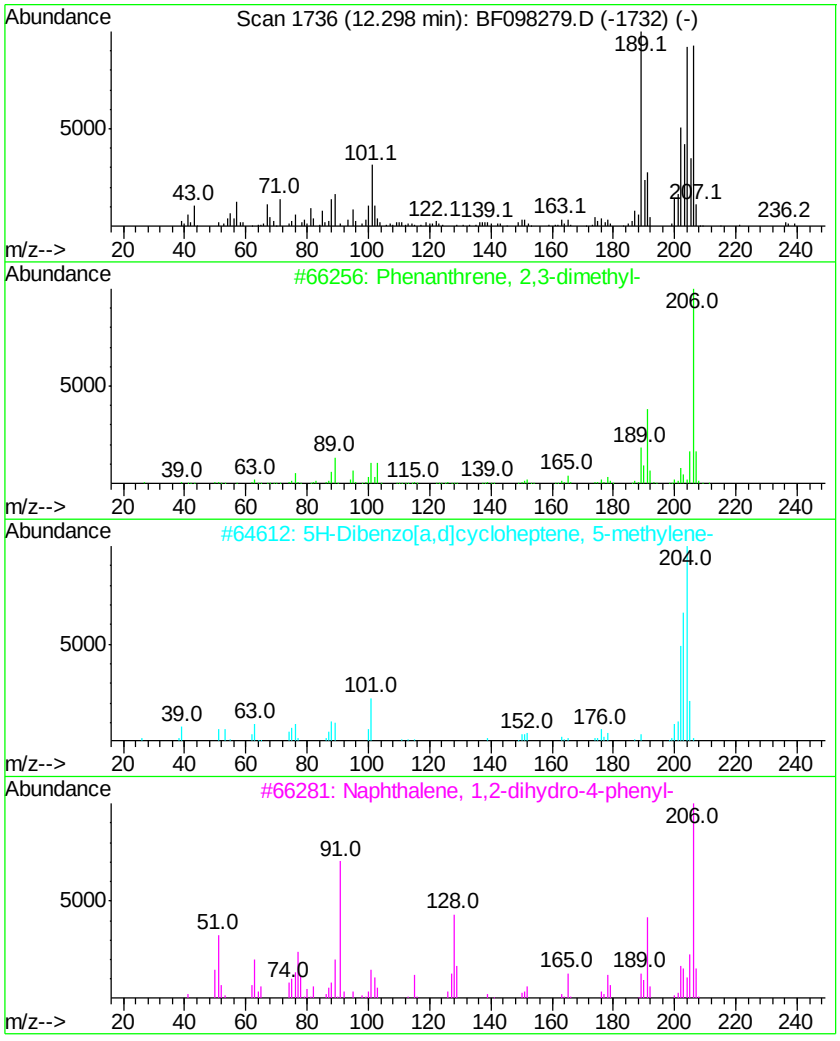
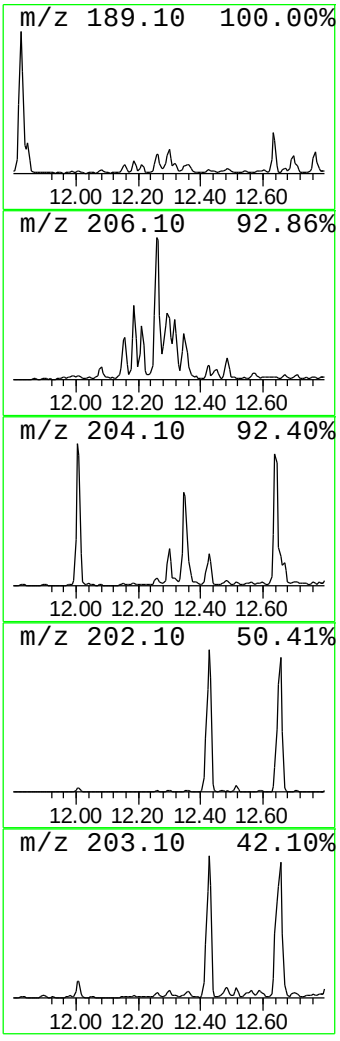
Peak Number 17 Phenanthrene, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	7.01 ng	338608	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	30
2	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	25
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	25
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	22
5	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	22





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Acq On : 6 Sep 2017 18:18
Operator : SJ/JU
Sample : I5076-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-083117

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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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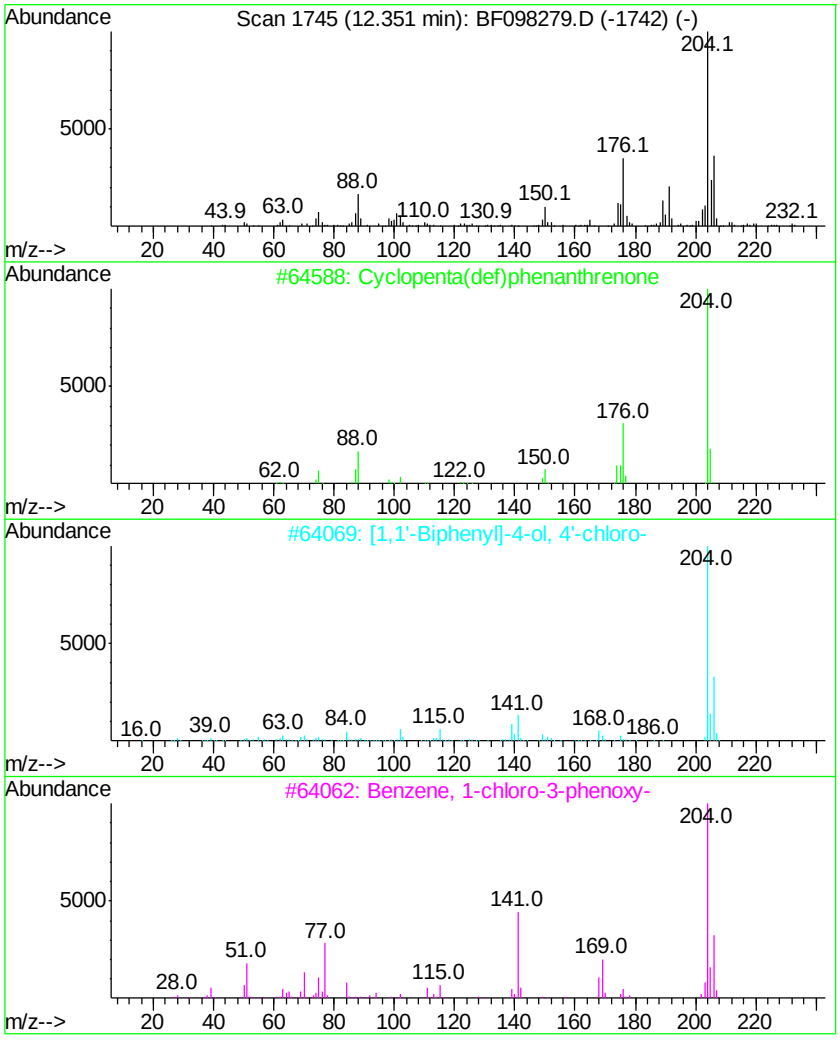
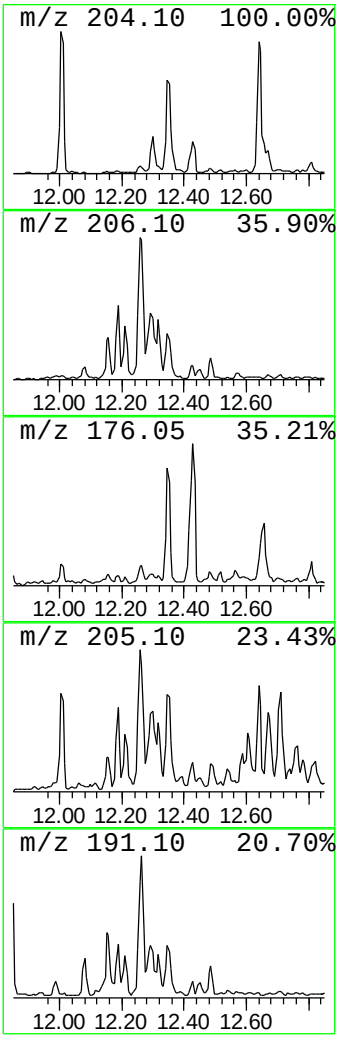
Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	6.26 ng	302391	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43
3	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	38
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

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF090617\
Data File : BF098279.D
Acq On : 6 Sep 2017 18:18
Operator : SJ/JU
Sample : I5076-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-083117

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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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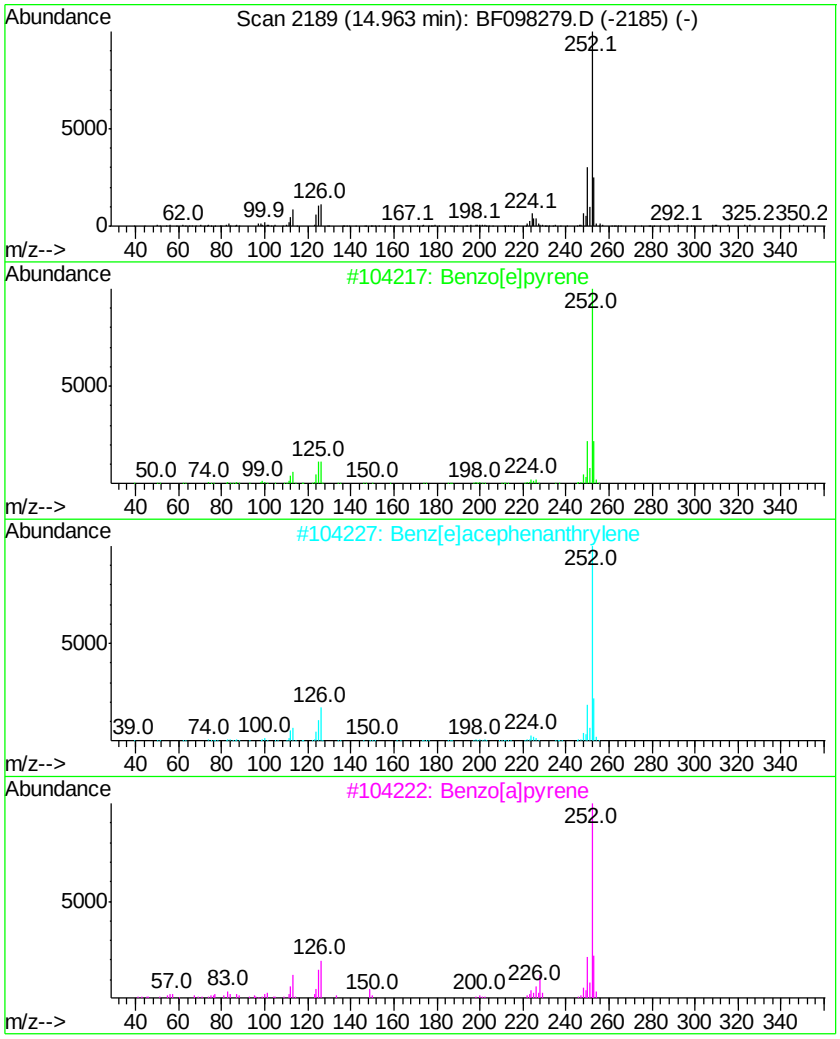
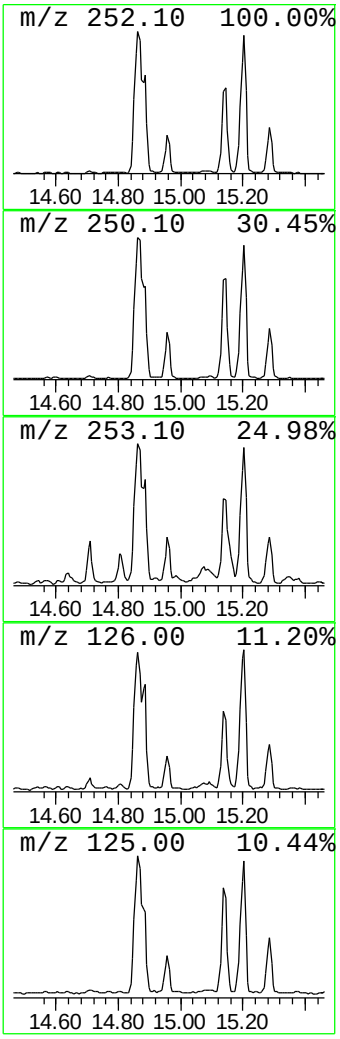
Peak Number 19 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.96	8.67 ng	287855	Perylene-d12	15.26

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	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	91
4	Perylene	252	C20H12	000198-55-0	89
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





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Data File : BF098279.D
Acq On : 6 Sep 2017 18:18
Operator : SJ/JU
Sample : I5076-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-083117

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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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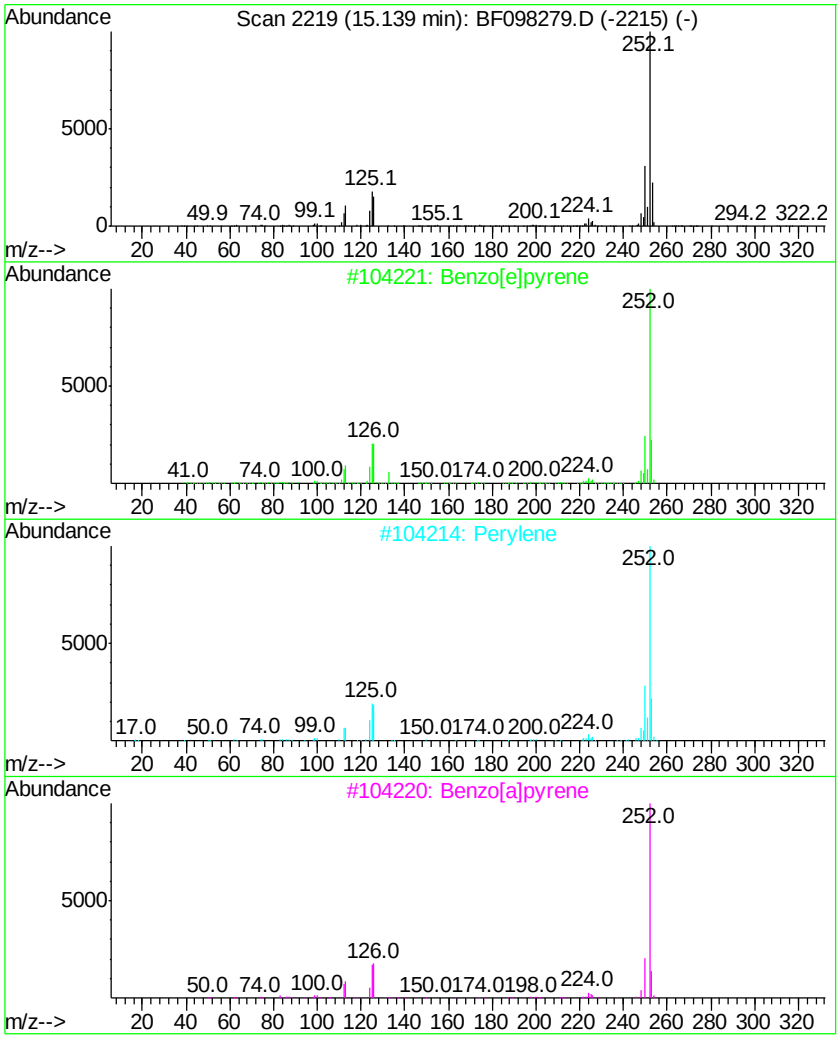
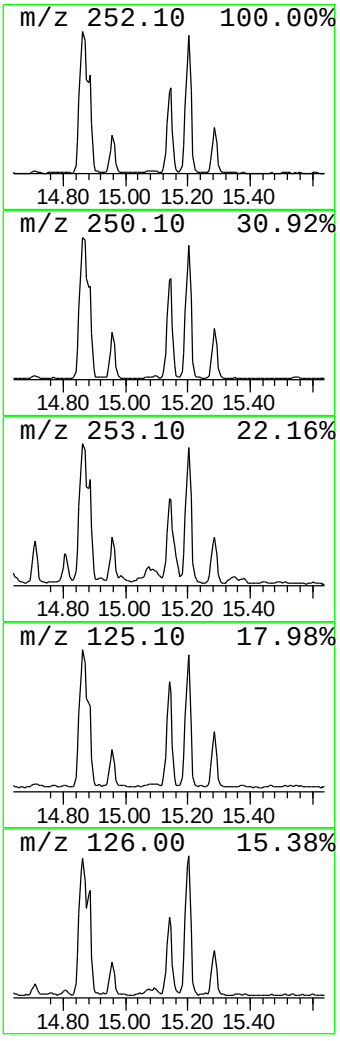
Peak Number 20 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	29.30 ng	973217	Perylene-d12	15.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	91





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF090617\
Data File : BF098279.D
Acq On : 6 Sep 2017 18:18
Operator : SJ/JU
Sample : I5076-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-083117

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081517.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
2-Pentanone, 4-hy...	4.89	10.1	ng	355149	1	6.69	706780	20.0
unknown6.47	6.47	105.0	ng	3711080	1	6.69	706780	20.0
Naphthalene, 1,6-...	9.32	4.2	ng	223837	3	9.73	1075760	20.0
Naphthalene, 2,3-...	9.39	5.3	ng	285023	3	9.73	1075760	20.0
Tridecane, 3-methyl-	10.64	4.8	ng	233063	4	11.21	966357	20.0
9H-Fluorene, 3-me...	10.82	3.7	ng	177673	4	11.21	966357	20.0
Naphtho[2,3-b]thi...	11.10	5.2	ng	252408	4	11.21	966357	20.0
Phenanthrene, 2-m...	11.71	10.1	ng	489359	4	11.21	966357	20.0
Phenanthrene, 1-m...	11.74	11.3	ng	543865	4	11.21	966357	20.0
Anthracene, 2-met...	11.79	5.0	ng	239009	4	11.21	966357	20.0
4H-Cyclopenta[def...	11.82	16.7	ng	806001	4	11.21	966357	20.0
Phenanthrene, 4-m...	11.85	6.6	ng	319860	4	11.21	966357	20.0
Naphthalene, 2-ph...	12.00	5.2	ng	250025	4	11.21	966357	20.0
Phenanthrene, 2,5...	12.26	7.6	ng	368510	4	11.21	966357	20.0
Phenanthrene, 2,3...	12.30	7.0	ng	338608	4	11.21	966357	20.0
Cyclopenta(def)ph...	12.35	6.3	ng	302391	4	11.21	966357	20.0
Benzo[e]pyrene	14.96	8.7	ng	287855	6	15.26	664345	20.0
Perylene	15.14	29.3	ng	973217	6	15.26	664345	20.0