LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
Data File : BF110319.D
Acq On : 30 Oct 2018 22:33
Operator : JU/SJ
Sample : J5711-05
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6

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-BF102318.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	2.298	31	36	47	rVB	253493	350800	10.11%	0.734%
2	5.210	527	531	537	rBV	64578	89081	2.57%	0.186%
3	5.592	589	596	607	rBV	1831958	1842367	53.09%	3.857%
4	6.210	696	701	708	rBV2	34939	55842	1.61%	0.117%
5	6.504	746	751	756	rBV6	43360	80555	2.32%	0.169%
6	6.592	760	766	773	rBV	1706601	1991406	57.38%	4.169%
7	6.739	787	791	794	rVV	2230267	1941508	55.94%	4.065%
8	6.969	827	830	834	rBV	777147	595753	17.17%	1.247%
9	7.128	853	857	860	rBV	1696970	1391067	40.08%	2.912%
10	7.233	869	875	877	rBV4	54227	59596	1.72%	0.125%
11	7.498	914	920	922	rBV4	38324	63587	1.83%	0.133%
12	7.533	922	926	933	rVV	1344560	1202487	34.65%	2.517%
13	7.604	933	938	942	rVB7	37011	54234	1.56%	0.114%
14	8.257	1045	1049	1051	rBV	715332	752449	21.68%	1.575%
15	8.275	1051	1052	1055	rVV	366487	256406	7.39%	0.537%
16	8.969	1167	1170	1177	rBV	147373	134144	3.87%	0.281%
17	9.069	1183	1187	1190	rBV	142325	122679	3.53%	0.257%
18	9.327	1227	1231	1234	rBV	2300826	1897578	54.68%	3.973%
19	9.598	1271	1277	1281	rBV	73662	99316	2.86%	0.208%
20	9.669	1285	1289	1291	rVV	138462	137962	3.98%	0.289%
21	9.692	1291	1293	1295	rVV	80512	83659	2.41%	0.175%
22	9.716	1295	1297	1304	rVV	297376	254968	7.35%	0.534%
23	9.786	1304	1309	1317	rVV2	67535	97521	2.81%	0.204%
24	10.016	1345	1348	1351	rVV	841510	728668	21.00%	1.525%
25	10.045	1351	1353	1357	rVB	720936	577410	16.64%	1.209%
26	10.169	1369	1374	1378	rBV2	61571	67727	1.95%	0.142%
27	10.216	1378	1382	1386	rBV	295386	313010	9.02%	0.655%
28	10.251	1386	1388	1393	rVB	58257	52458	1.51%	0.110%
29	10.327	1397	1401	1404	rBV	57066	58096	1.67%	0.122%
30	10.421	1411	1417	1418	rBV2	52252	64167	1.85%	0.134%
31	10.563	1437	1441	1447	rBV	445142	407849	11.75%	0.854%
32	10.651	1454	1456	1458	rVB	86297	62065	1.79%	0.130%
33	10.716	1465	1467	1471	rVB	147573	141120	4.07%	0.295%
34	10.804	1479	1482	1488	rBV	1023343	1077339	31.04%	2.255%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
ClientSampleId : SB-6

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-BF102318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.933	1501	1504	1509	rVB3	36881	51941	1.50%	0.109%
36	11.098	1528	1532	1533	rBV2	61370	83004	2.39%	0.174%
37	11.110	1533	1534	1537	rVV2	100259	85191	2.45%	0.178%
38	11.139	1537	1539	1542	rVV2	54748	54550	1.57%	0.114%
39	11.239	1551	1556	1558	rBV3	88296	118394	3.41%	0.248%
40	11.263	1558	1560	1565	rVV2	83348	98582	2.84%	0.206%
41	11.316	1565	1569	1572	rVV	178346	173041	4.99%	0.362%
42	11.351	1572	1575	1581	rVV2	99365	141822	4.09%	0.297%
43	11.404	1581	1584	1588	rVB	229980	197096	5.68%	0.413%
44	11.510	1598	1602	1604	rBV	648260	646650	18.63%	1.354%
45	11.539	1604	1607	1610	rVV	3264178	3222142	92.84%	6.746%
46	11.586	1610	1615	1618	rVV	1052118	902495	26.00%	1.889%
47	11.621	1618	1621	1625	rVB	70513	83780	2.41%	0.175%
48	11.739	1635	1641	1645	rBV2	335691	395138	11.39%	0.827%
49	11.798	1649	1651	1655	rVV2	85522	83313	2.40%	0.174%
50	11.839	1655	1658	1662	rVB4	53441	66369	1.91%	0.139%
51	12.010	1682	1687	1690	rBV	368773	365587	10.53%	0.765%
52	12.039	1690	1692	1696	rVB	506889	410587	11.83%	0.860%
53	12.086	1696	1700	1703	rBV	241204	199640	5.75%	0.418%
54	12.127	1703	1707	1709	rBV	526676	585138	16.86%	1.225%
55	12.186	1714	1717	1720	rBV3	64921	56387	1.62%	0.118%
56	12.304	1734	1737	1740	rBV	301246	243583	7.02%	0.510%
57	12.339	1740	1743	1747	rVV	203092	193944	5.59%	0.406%
58	12.457	1760	1763	1766	rBV	85123	80488	2.32%	0.169%
59	12.510	1770	1772	1774	rVB	70029	53405	1.54%	0.112%
60	12.562	1777	1781	1783	rBV	149844	176409	5.08%	0.369%
61	12.657	1793	1797	1801	rVB2	146540	190340	5.48%	0.398%
62	12.739	1805	1811	1814	rBV	3237920	3234932	93.21%	6.772%
63	12.792	1818	1820	1823	rVB	95739	78309	2.26%	0.164%
64	12.880	1827	1835	1838	rBV3	138445	271332	7.82%	0.568%
65	12.968	1843	1850	1853	rBV2	2794379	3470564	100.00%	7.266%
66	13.004	1853	1856	1861	rVB2	169226	171431	4.94%	0.359%
67	13.092	1865	1871	1874	rBV2	1437599	1369965	39.47%	2.868%
68	13.121	1874	1876	1879	rVB	189569	155430	4.48%	0.325%
69	13.168	1880	1884	1889	rBV2	165691	307276	8.85%	0.643%
70	13.262	1896	1900	1901	rBV2	150689	191293	5.51%	0.400%
71	13.286	1901	1904	1907	rVB2	296346	281347	8.11%	0.589%

LSC Area Percent Report

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Sample : J5711-05
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6

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-BF102318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.351	1912	1915	1918	rVV2	183130	182637	5.26%	0.382%
73	13.392	1918	1922	1924	rVV2	289010	357539	10.30%	0.749%
74	13.415	1924	1926	1929	rVV	112196	112860	3.25%	0.236%
75	13.445	1929	1931	1935	rVV2	81469	91515	2.64%	0.192%
76	13.486	1935	1938	1940	rVV	154479	150036	4.32%	0.314%
77	13.515	1940	1943	1951	rVV2	167149	241705	6.96%	0.506%
78	13.798	1988	1991	1995	rVB	255377	231997	6.68%	0.486%
79	13.909	2006	2010	2012	rBV2	207885	240565	6.93%	0.504%
80	13.933	2012	2014	2017	rVV	242983	247558	7.13%	0.518%
81	13.974	2017	2021	2024	rVV2	276796	431405	12.43%	0.903%
82	14.004	2024	2026	2033	rVB	246073	260159	7.50%	0.545%
83	14.156	2045	2052	2056	rBV2	1582718	2317934	66.79%	4.853%
84	14.192	2056	2058	2064	rVB	1413013	1131810	32.61%	2.369%
85	14.268	2068	2071	2074	rBV	272455	237099	6.83%	0.496%
86	14.386	2087	2091	2094	rVB2	131747	158430	4.56%	0.332%
87	14.545	2116	2118	2121	rVB	186077	161638	4.66%	0.338%
88	14.580	2122	2124	2129	rVB2	91776	101278	2.92%	0.212%
89	14.674	2138	2140	2142	rBV	86879	82315	2.37%	0.172%
90	14.698	2142	2144	2148	rVB2	92989	77667	2.24%	0.163%
91	14.874	2172	2174	2177	rBV2	88276	88916	2.56%	0.186%
92	14.998	2192	2195	2199	rVB2	182551	190786	5.50%	0.399%
93	15.245	2232	2237	2240	rBV	780991	1273883	36.71%	2.667%
94	15.356	2253	2256	2259	rBV	167930	174128	5.02%	0.365%
95	15.568	2288	2292	2298	rVB	454152	644980	18.58%	1.350%
96	15.639	2299	2304	2308	rVV	750017	918210	26.46%	1.922%
97	15.698	2308	2314	2317	rVV2	260760	427596	12.32%	0.895%
98	15.733	2317	2320	2326	rVB	224087	330201	9.51%	0.691%
99	17.280	2577	2583	2593	rVB2	312394	675073	19.45%	1.413%
100	17.768	2659	2666	2677	rVB	266370	630441	18.17%	1.320%

Sum of corrected areas: 47766130

LSC Report - Integrated Chromatogram

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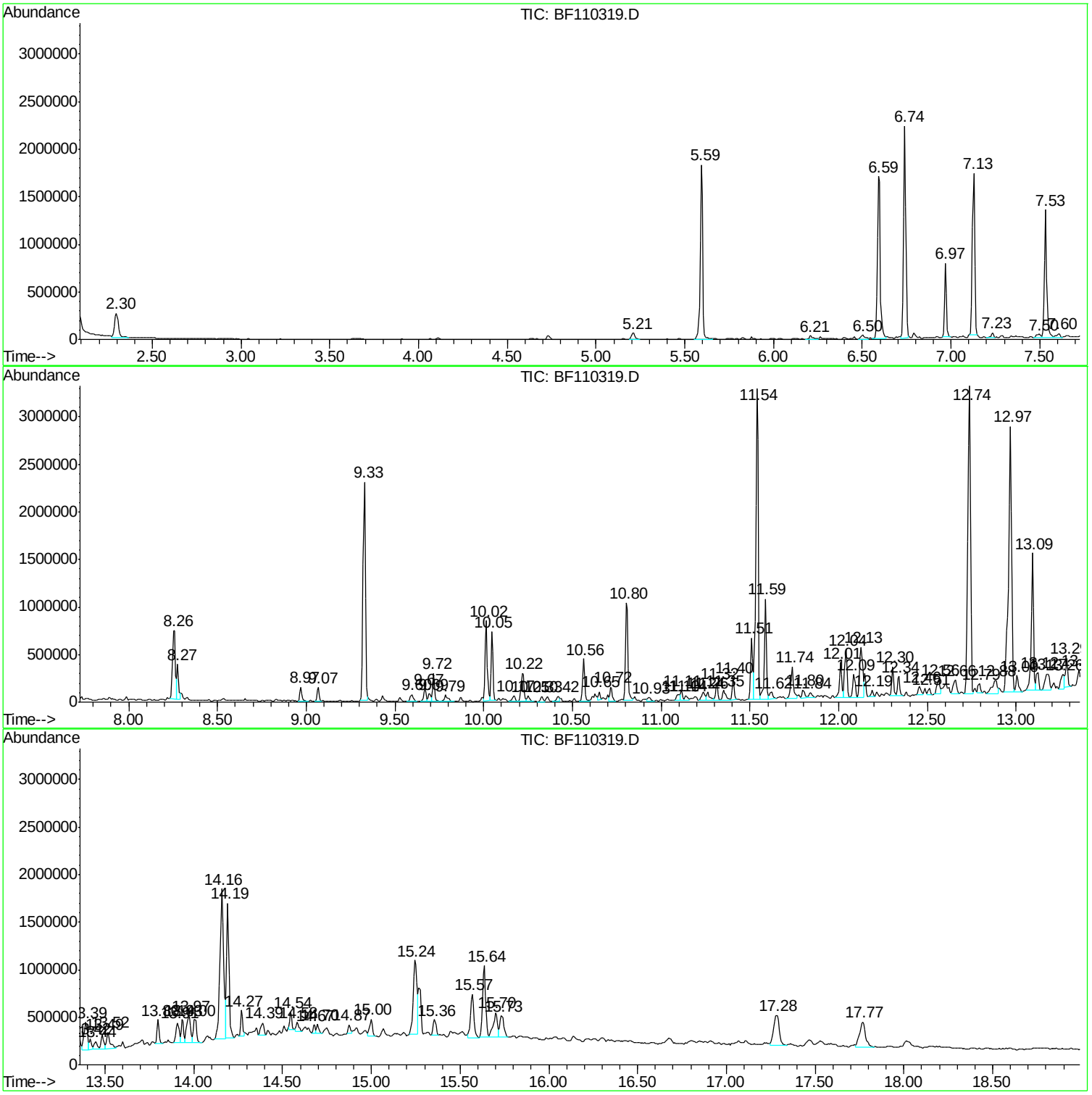
Data File : BF110319.D
Acq On : 30 Oct 2018 22:33
Operator : JU/SJ
Sample : J5711-05
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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\BF103018\
Data File : BF110319.D
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Misc :
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Instrument : BNA_F
ClientSampleId : SB-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

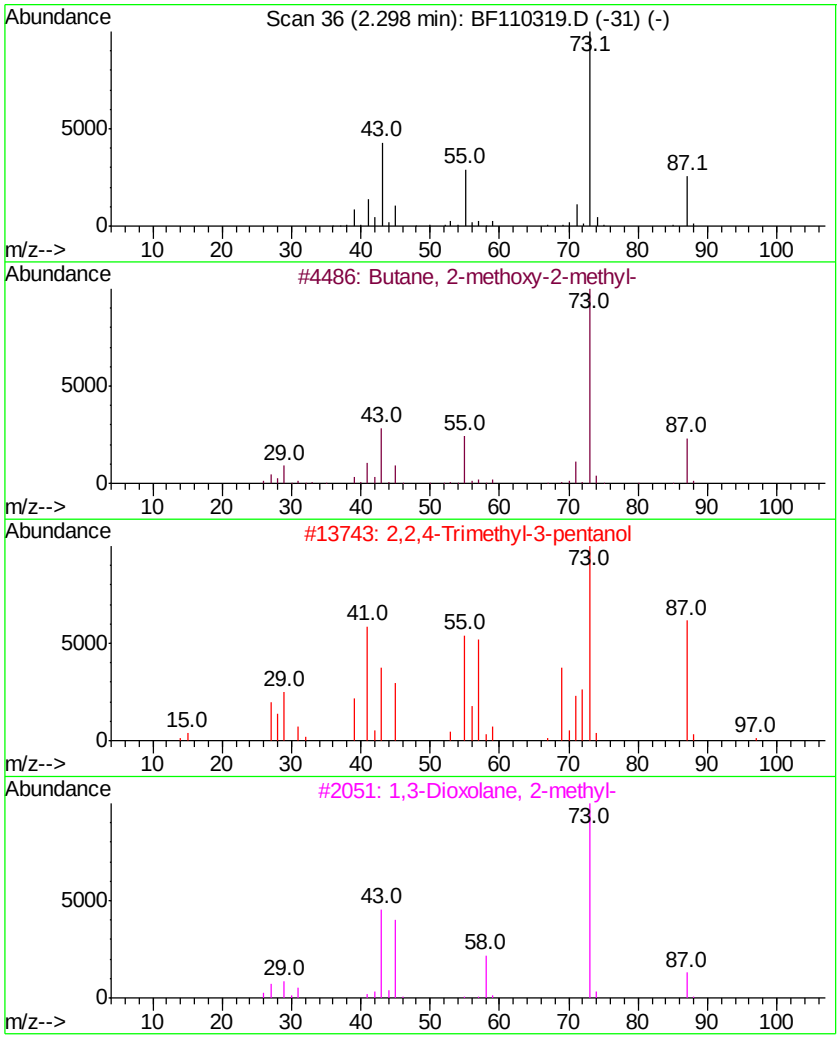
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

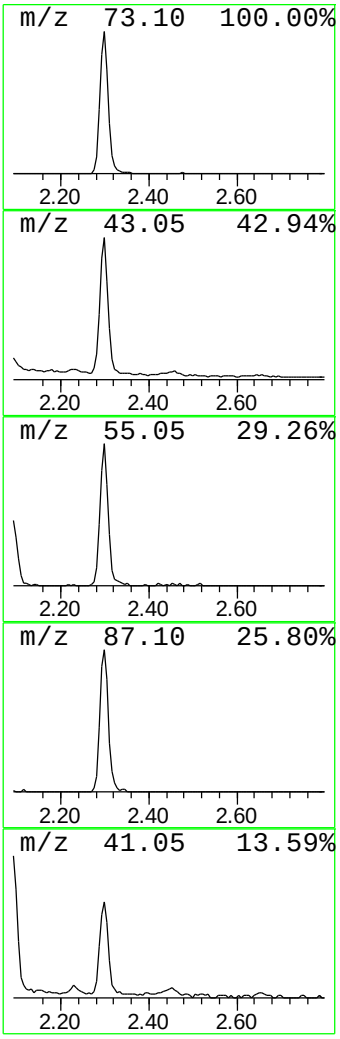
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.30	11.78 ng	350800	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	16
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : SB-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

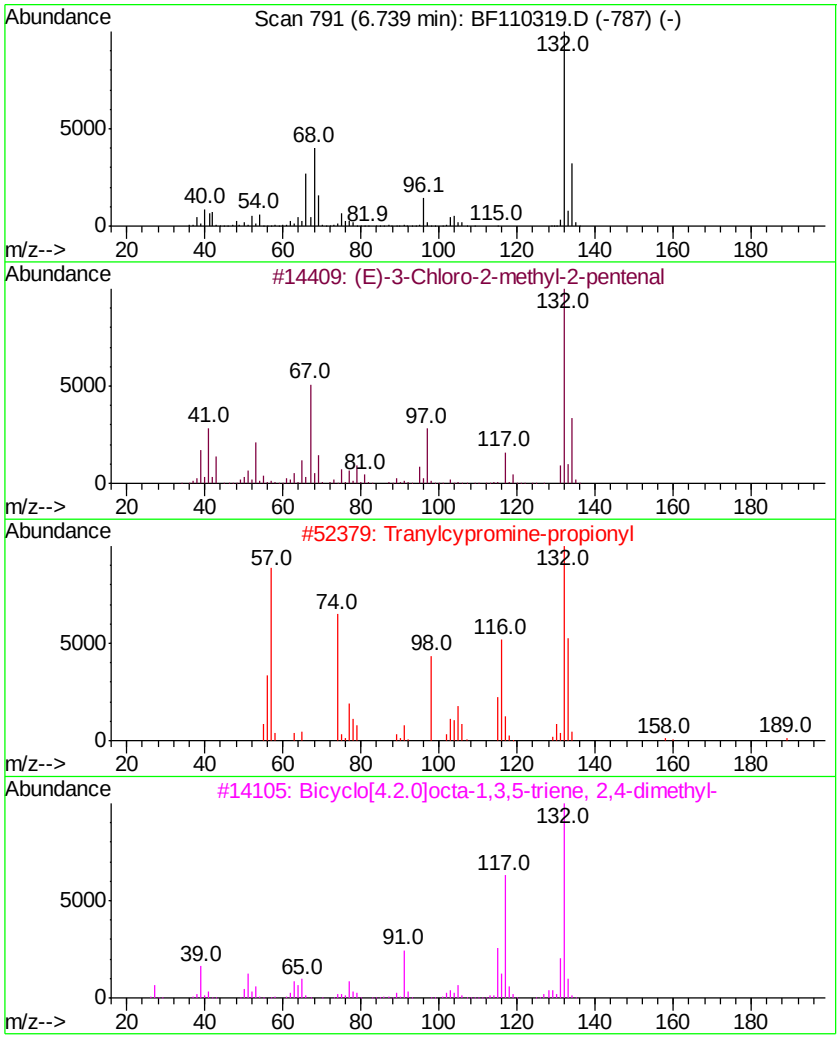
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

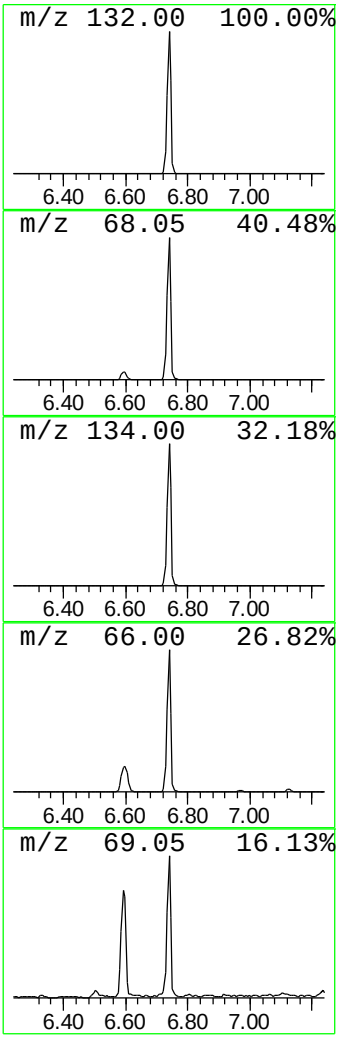
****

Peak Number 2 unknown6.74 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	65.18 ng	1941510	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
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	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





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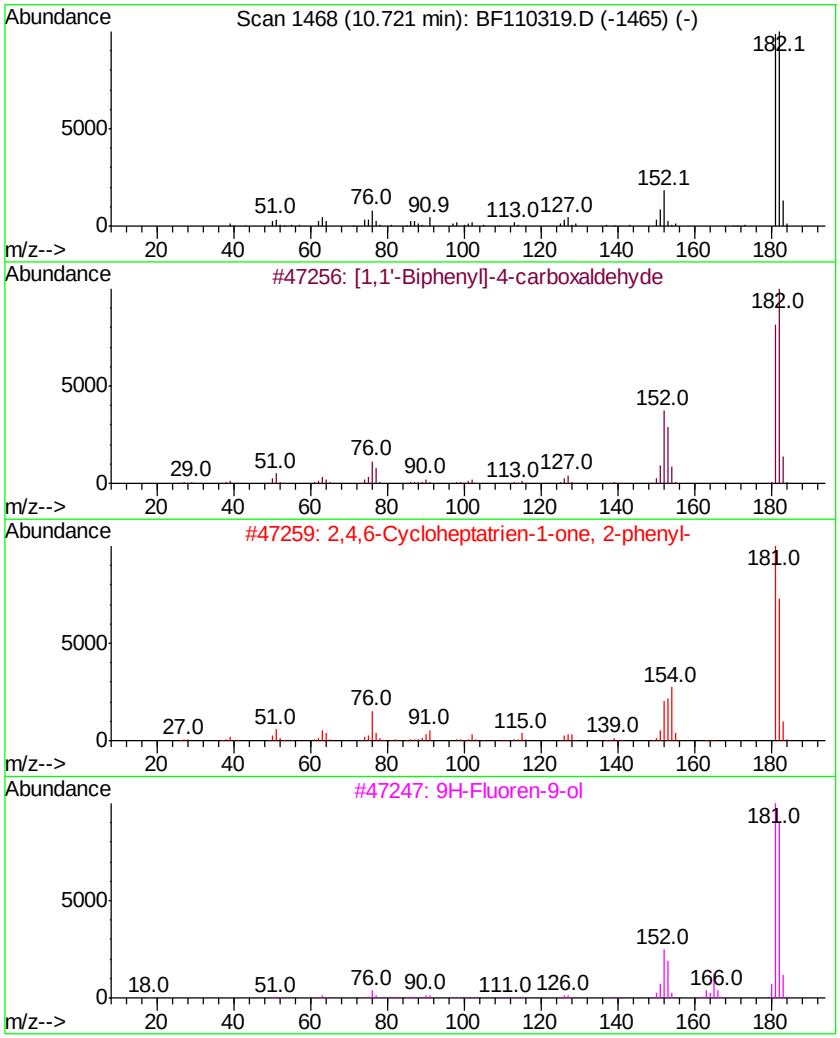
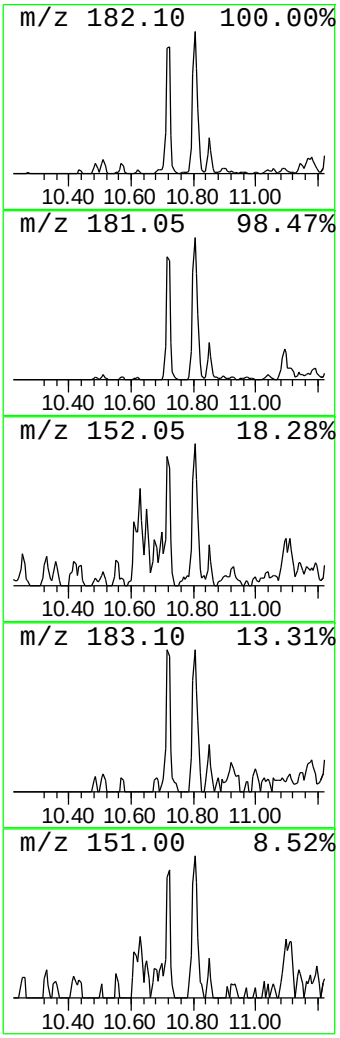
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.72	3.87 ng	141120	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76
5	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72





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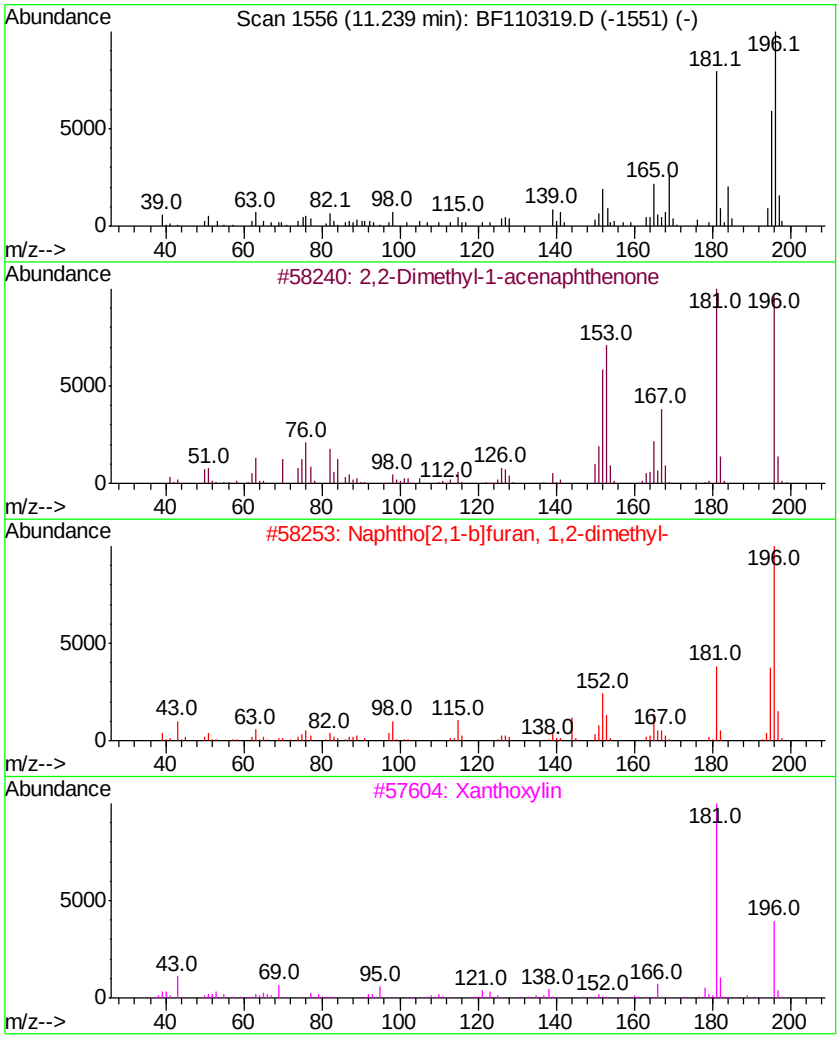
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

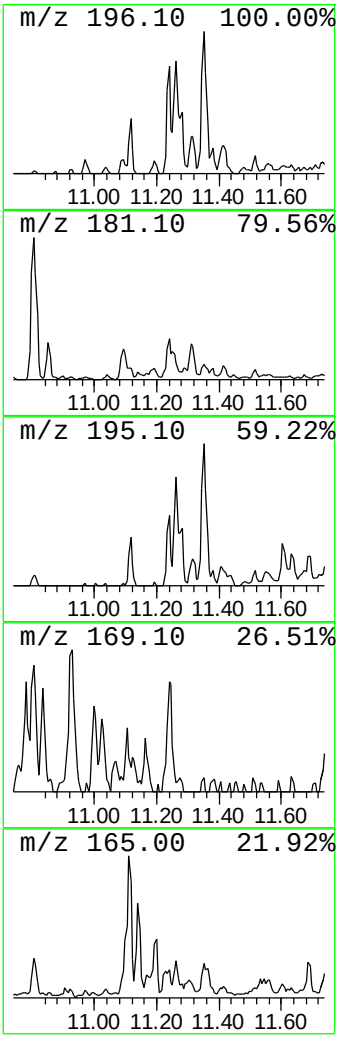
****

Peak Number 5 2,2-Dimethyl-1-acenaphthenone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	3.66 ng	118394	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethyl-1-acenaphthenone	196	C14H12O	018086-43-6	53
2	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	46
3	Xanthoxylin	196	C10H12O4	000090-24-4	46
4	2-Fluorenamine	181	C13H11N	000153-78-6	38
5	Hydrosulfide, (5,6-dimethylthien...	196	C8H8N2S2	1000362-41-8	38





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Operator : JU/SJ
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Misc :
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Instrument : BNA_F
ClientSampleId : SB-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

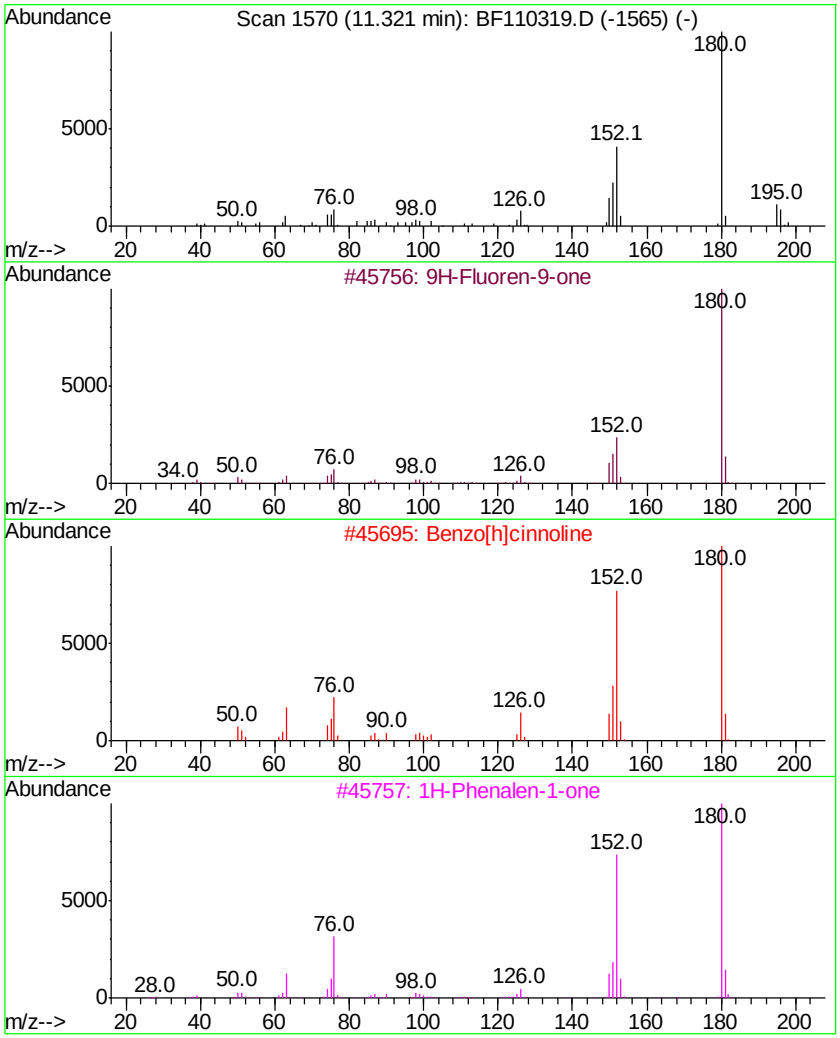
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

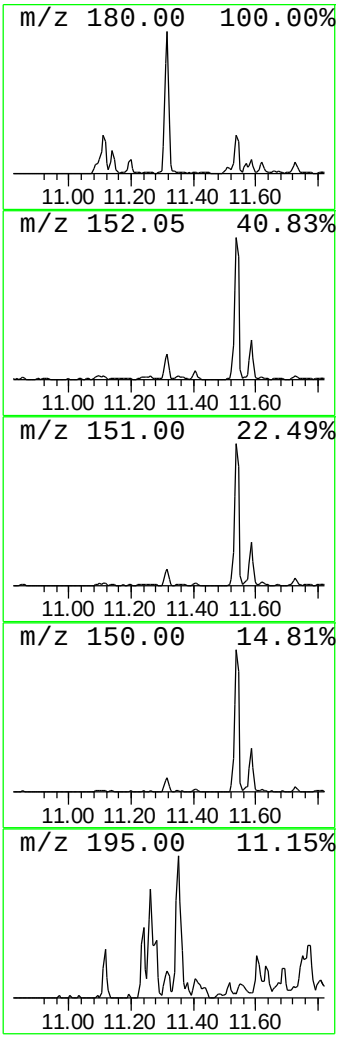
****

Peak Number 6 9H-Fluoren-9-one Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.32	5.35 ng	173041	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	72
4	9H-Carbazole, 9-ethyl-	195	C14H13N	000086-28-2	40
5	4-Acetyl-1-naphthonitrile	195	C13H9NO	029139-00-2	38





Library Search Compound Report

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Acq On : 30 Oct 2018 22:33
Operator : JU/SJ
Sample : J5711-05
Misc :
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Instrument : BNA_F
ClientSampleId : SB-6

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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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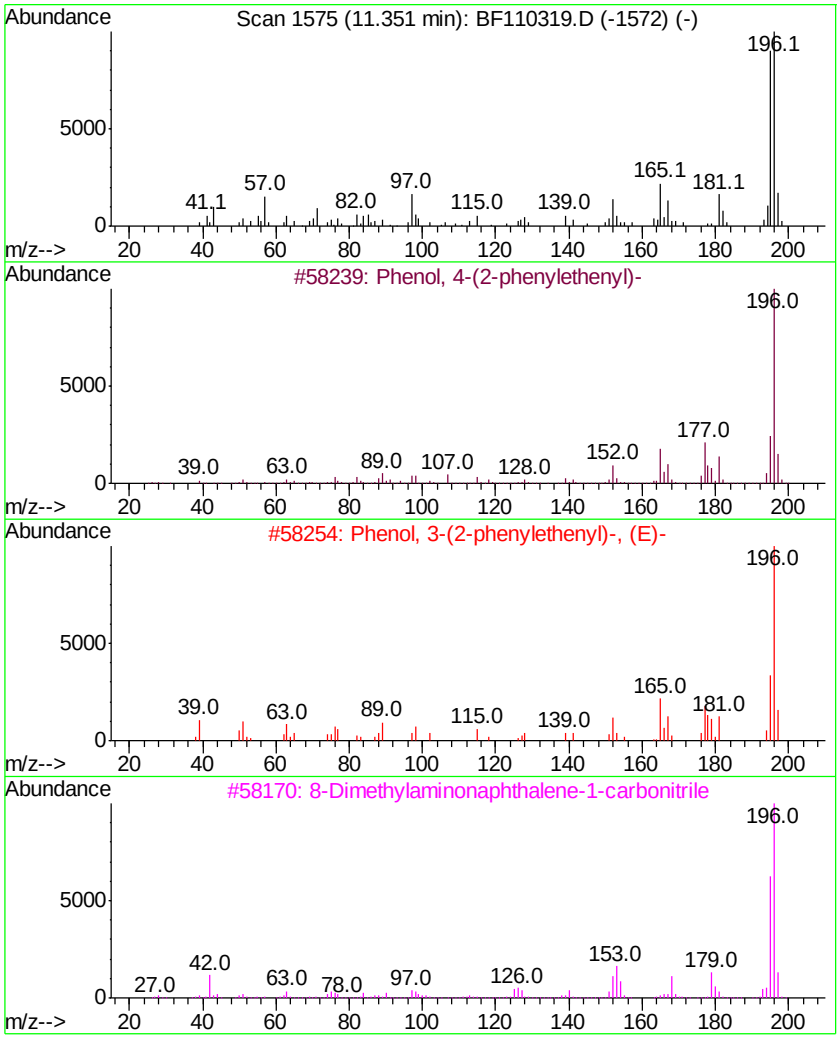
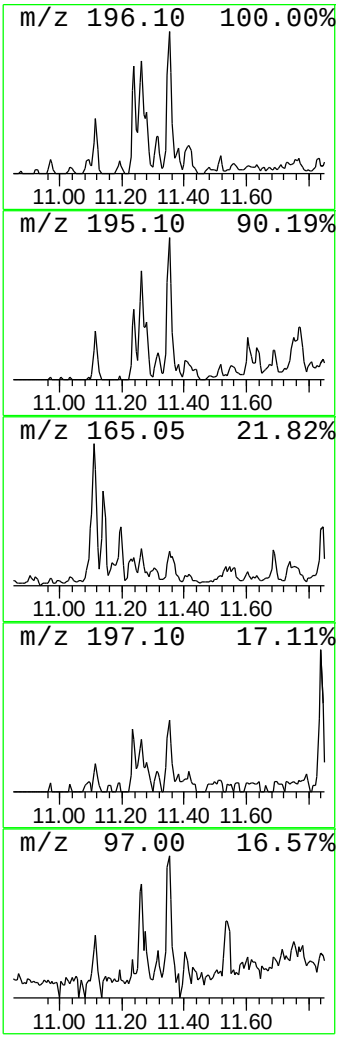
Peak Number 7 Phenol, 4-(2-phenylethenyl)- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.35	4.39 ng	141822	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	70
2	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	70
3	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	64
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	62
5	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	59





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ClientSampleId : SB-6

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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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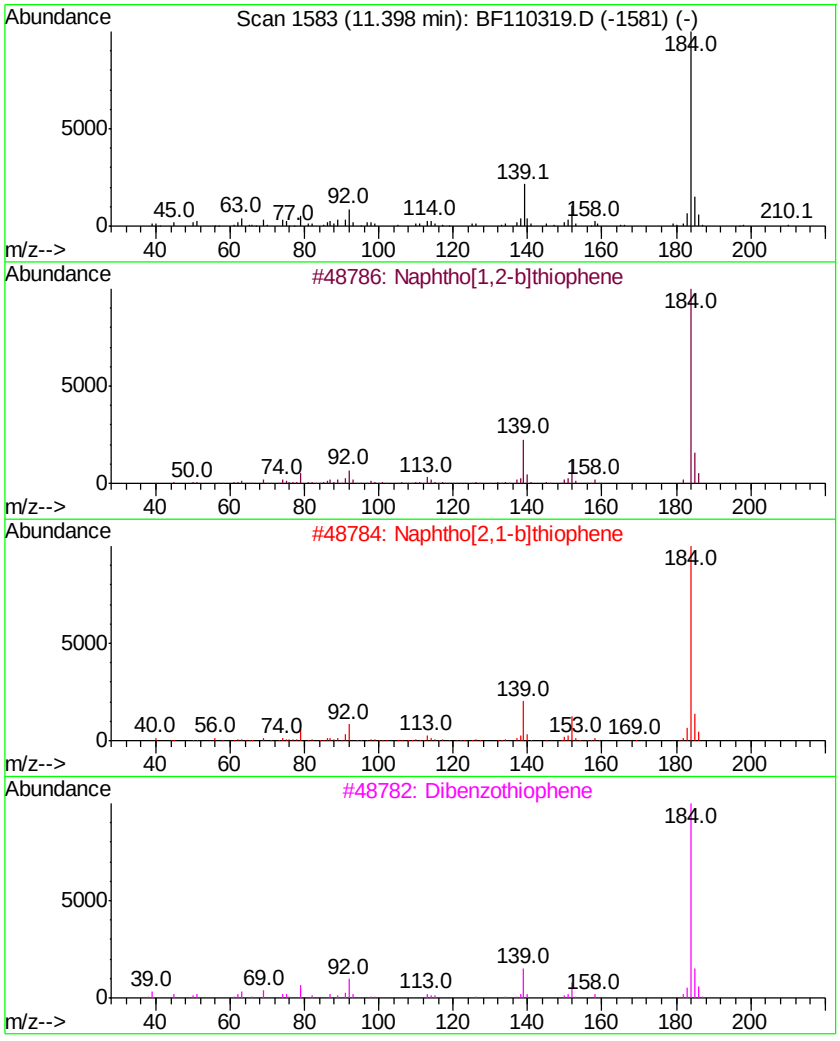
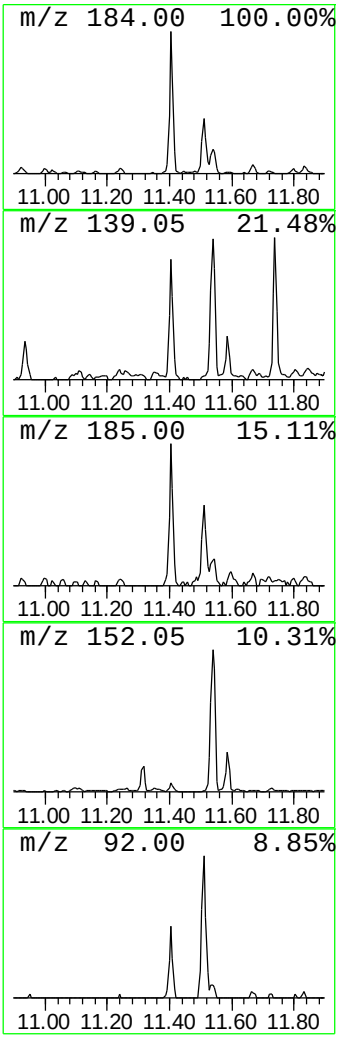
Peak Number 8 Naphtho[1,2-b]thiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	6.10 ng	197096	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
3	Dibenzothiophene	184	C12H8S	000132-65-0	96
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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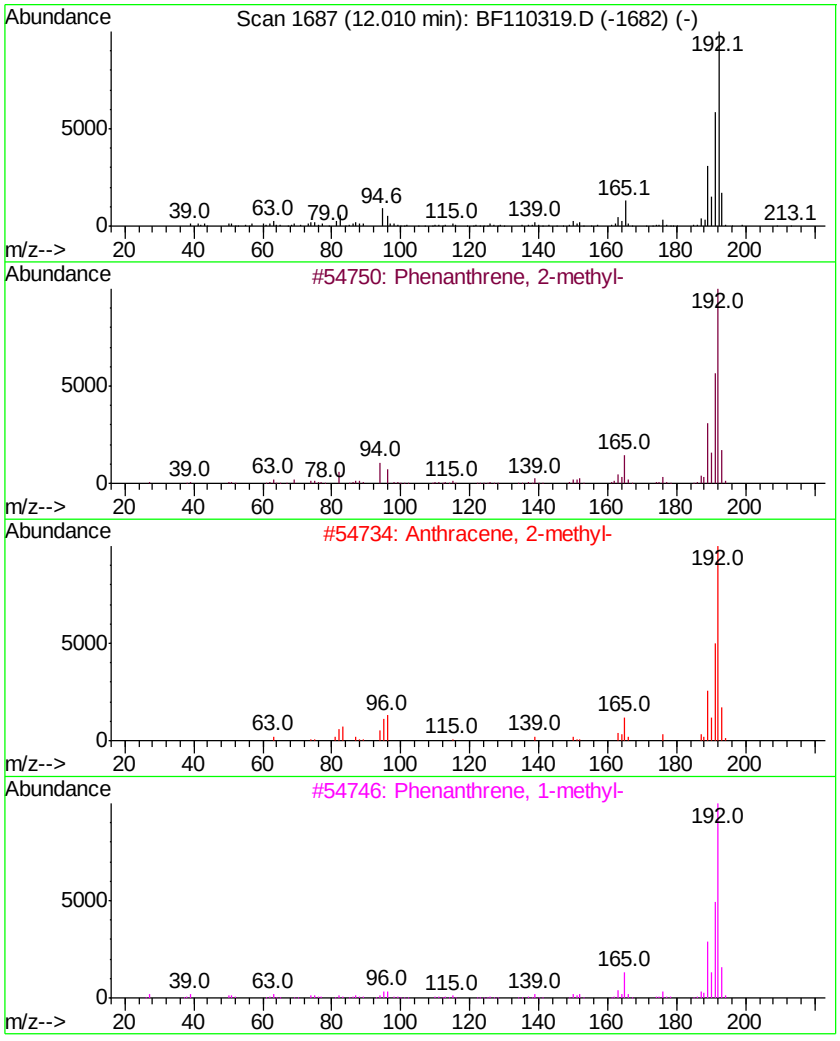
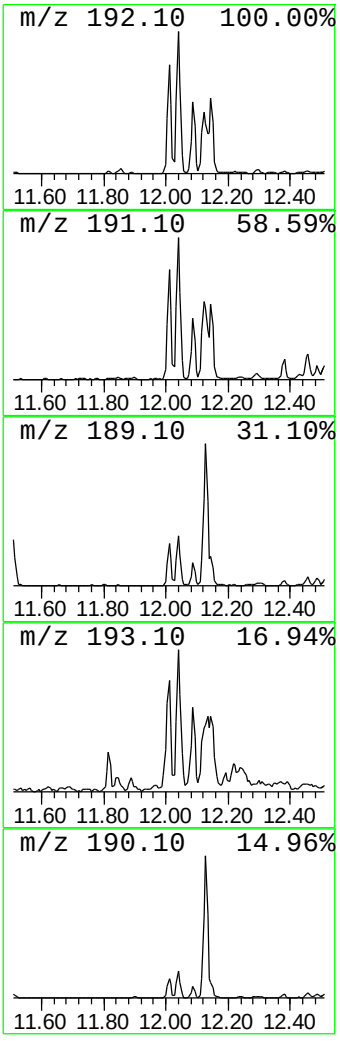
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	11.31 ng	365587	Phenanthrene-d10	11.51

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	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	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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Instrument : BNA_F
ClientSampleId : SB-6

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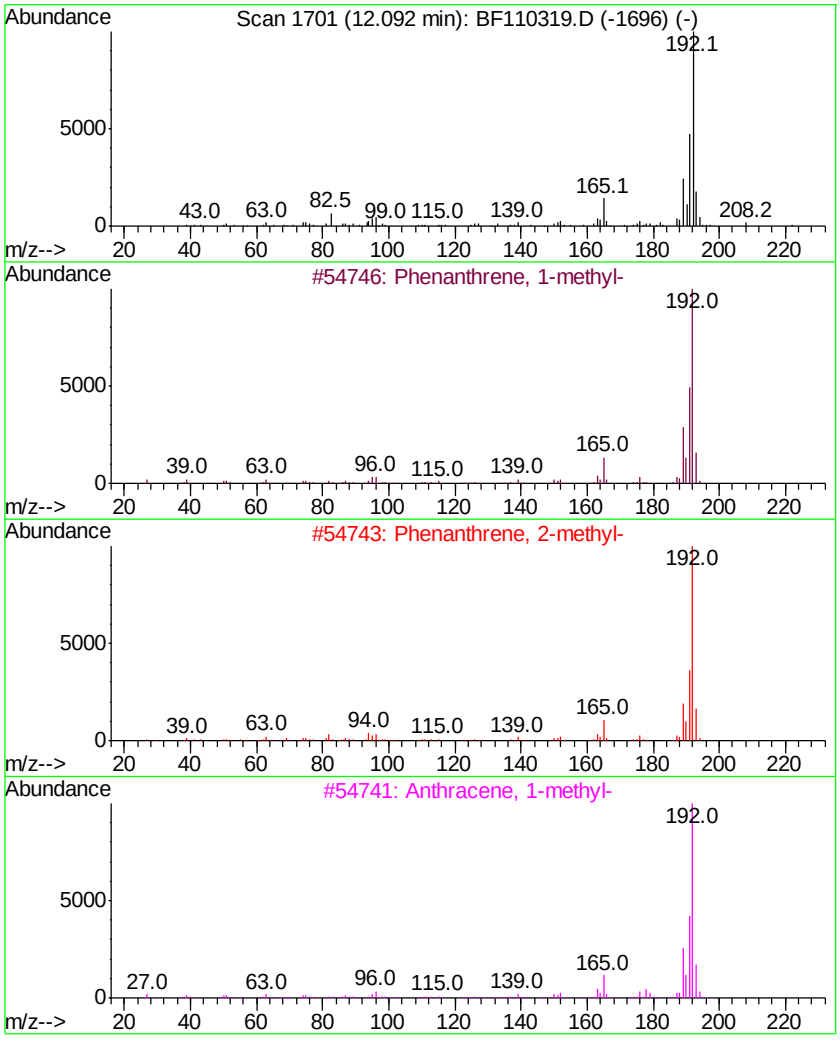
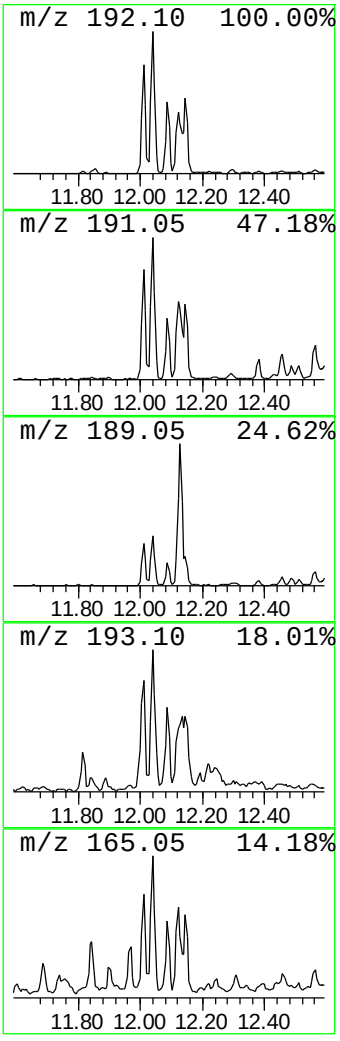
Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	6.17 ng	199640	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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ClientSampleId : SB-6

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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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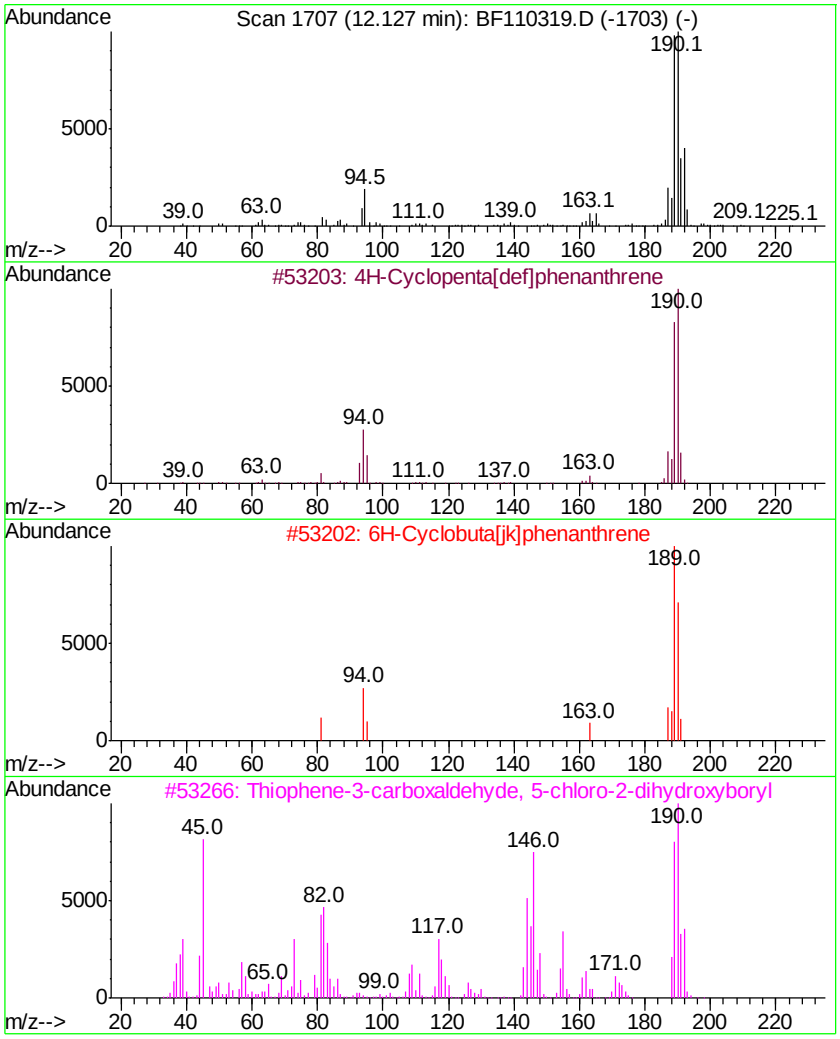
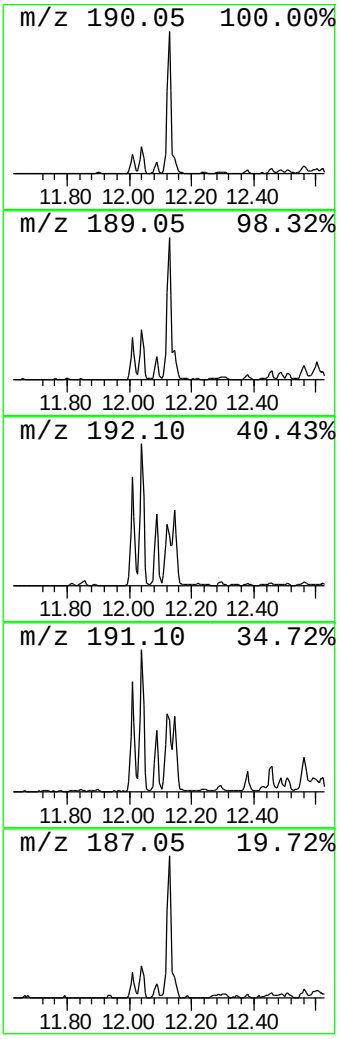
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	18.10 ng	585138	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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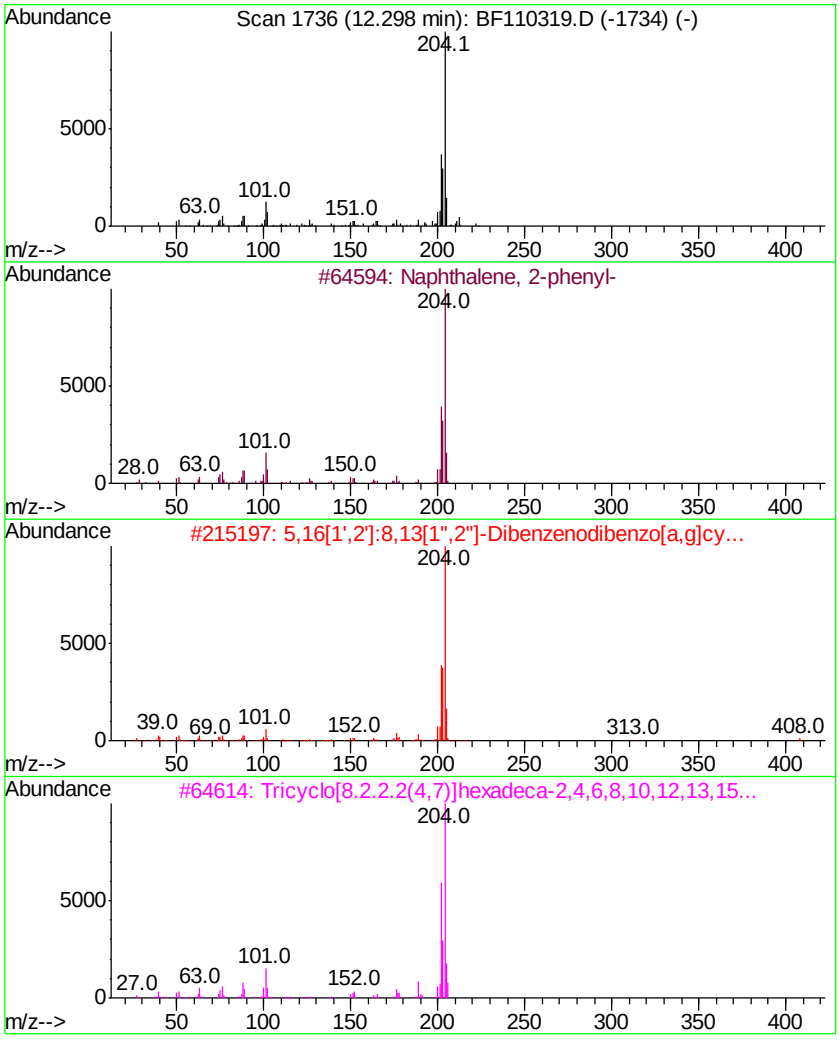
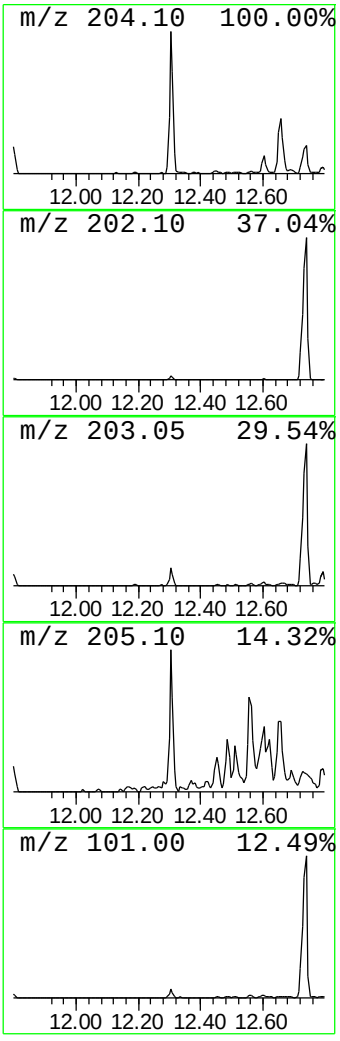
Peak Number 13 Naphthalene, 1-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	7.53 ng	243583	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60





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

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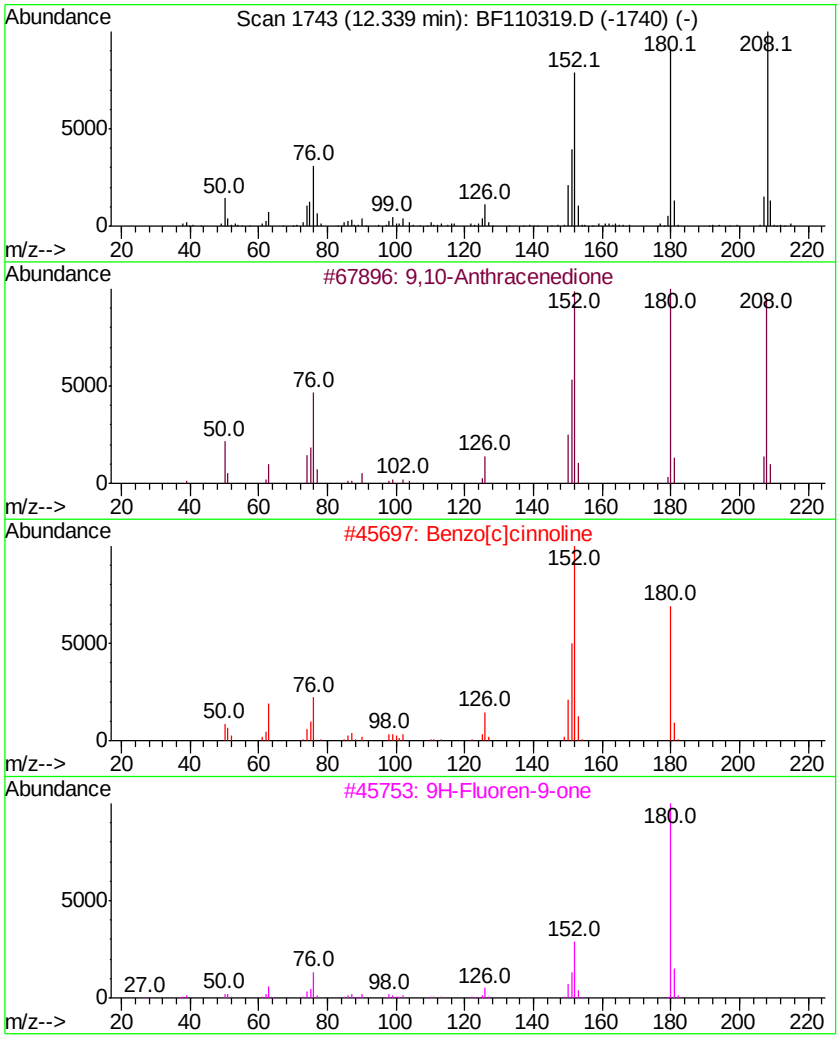
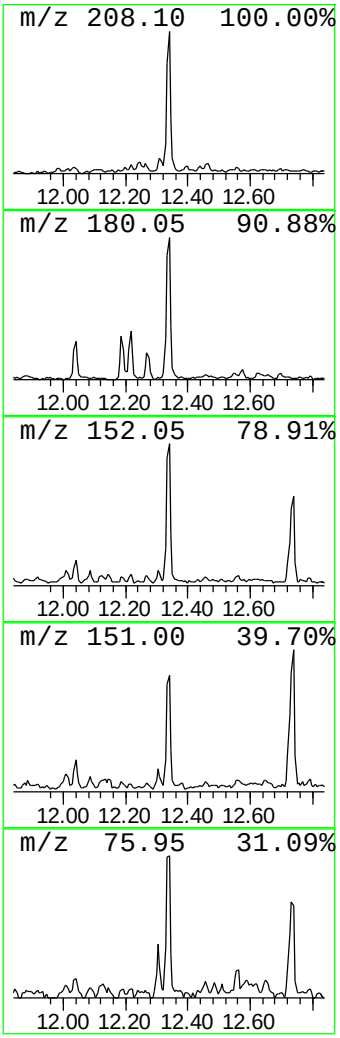
Peak Number 14 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	6.00 ng	193944	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	53





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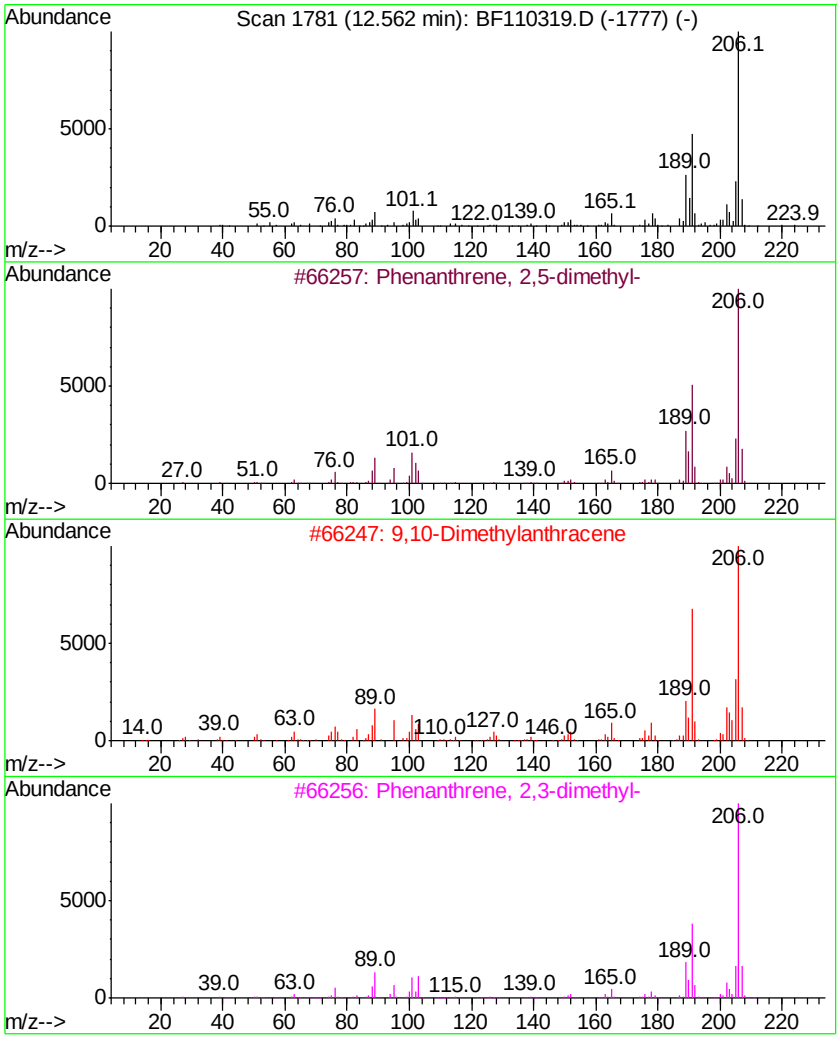
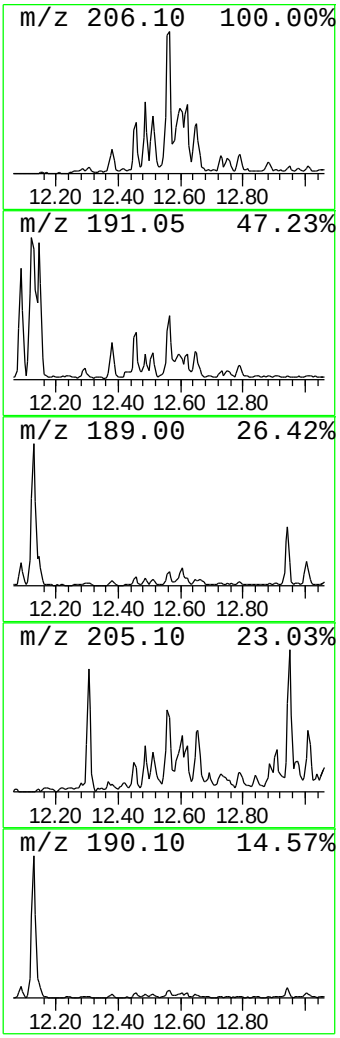
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.56	5.46 ng	176409	Phenanthrene-d10	11.51

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	87
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	74





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TIC Integration Parameters: LSCINT.P

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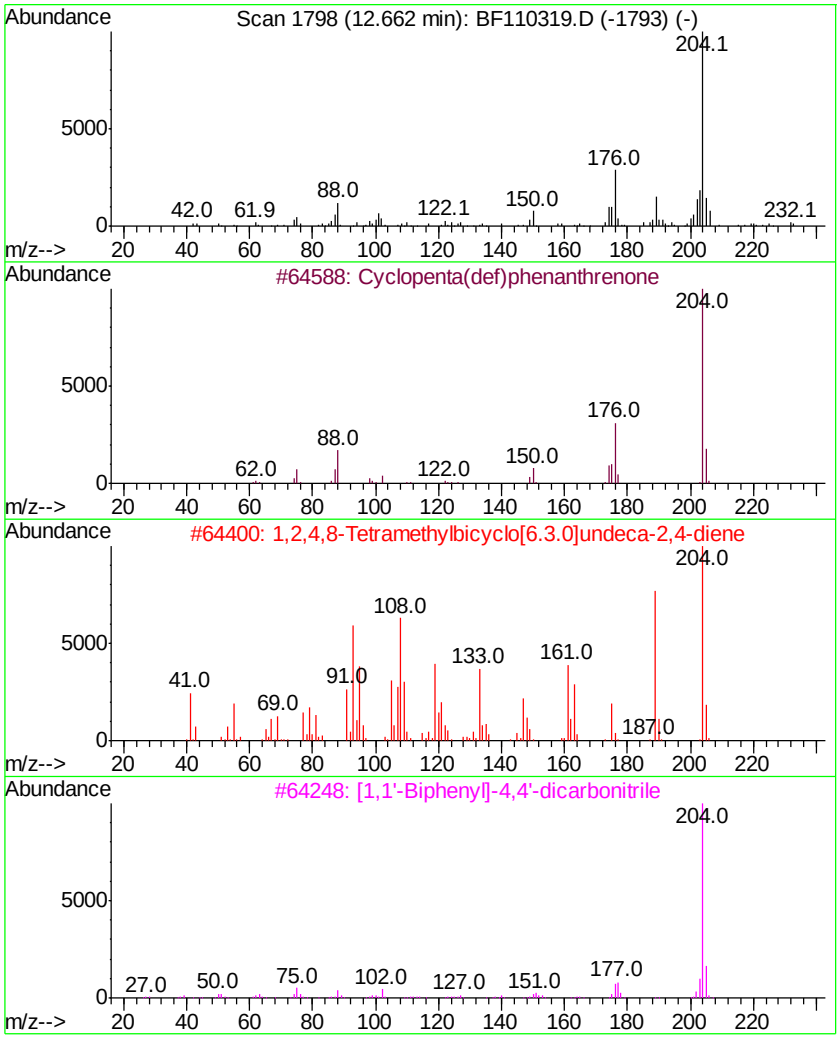
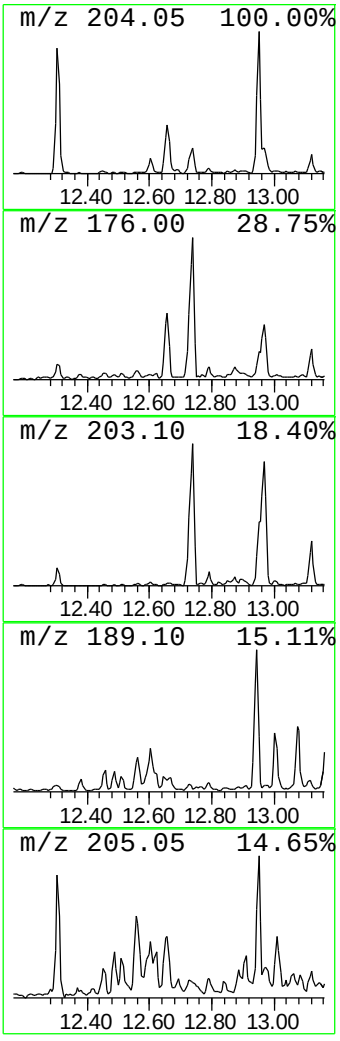
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.66	5.89 ng	190340	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	55
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
4	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	53
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50





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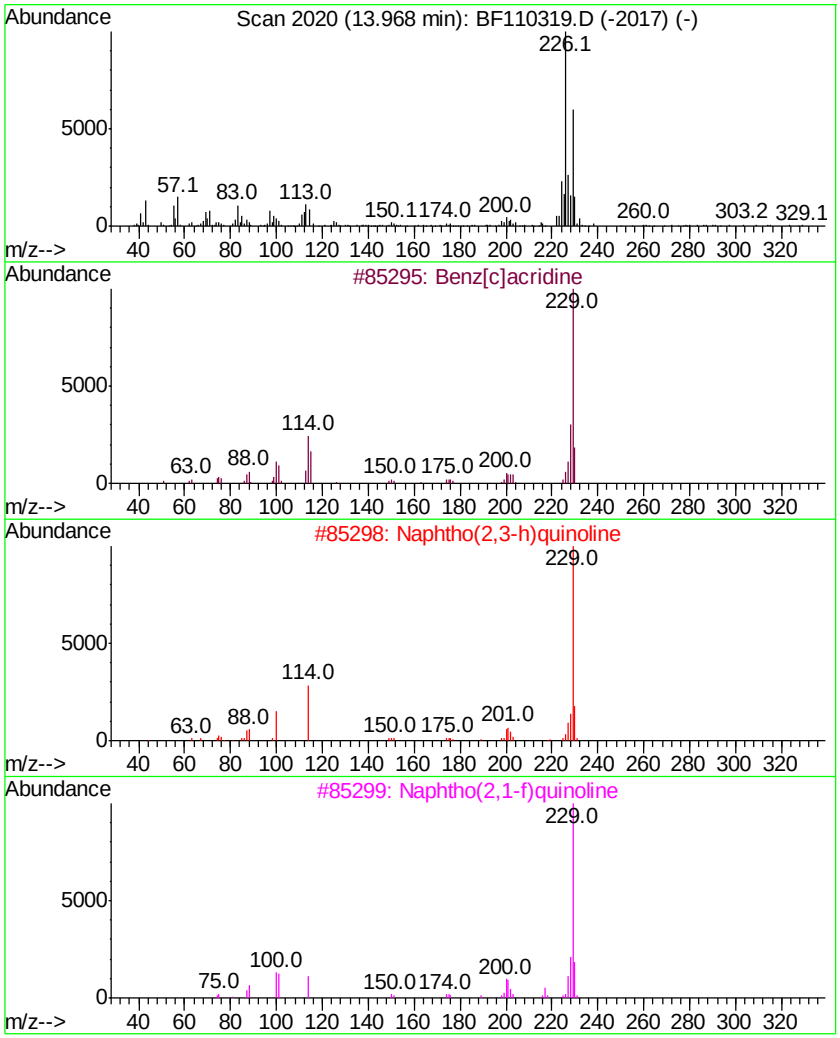
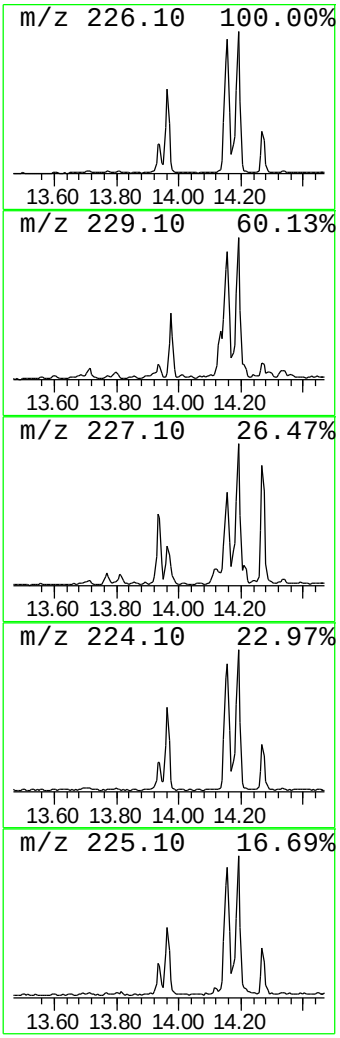
Peak Number 17 Benz[c]acridine Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	3.72 ng	431405	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[c]acridine	229	C17H11N	000225-51-4	94
2	Naphtho(2,3-h)quinoline	229	C17H11N	000084-56-0	90
3	Naphtho(2,1-f)quinoline	229	C17H11N	000218-08-6	80
4	Benzo(a)acridine	229	C17H11N	000225-11-6	76
5	Malononitrile, 2-indeno[1,2-b]py...	229	C15H7N3	1000316-60-9	47





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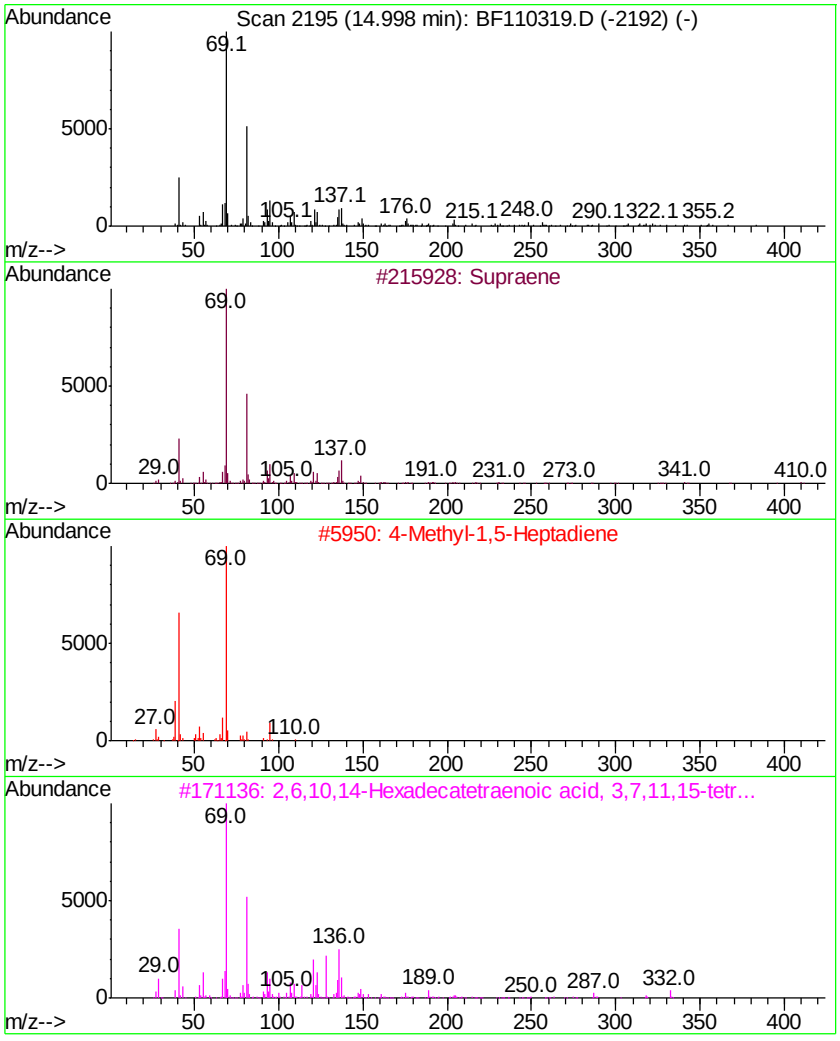
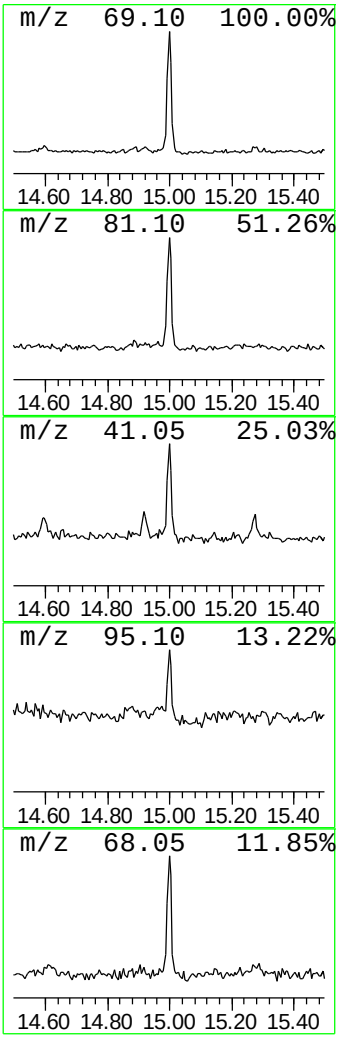
Peak Number 18 Supraene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.00	8.92 ng	190786	Perylene-d12	15.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Supraene	410	C30H50	007683-64-9	83
2	4-Methyl-1,5-Heptadiene	110	C8H14	000998-94-7	59
3	2,6,10,14-Hexadecatetraenoic aci...	332	C22H36O2	024035-35-6	59
4	Squalene	410	C30H50	000111-02-4	59
5	Trideca-1,7,11-triene-1,1-dicarb...	270	C18H26N2	1000161-46-0	53





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103018\
Data File : BF110319.D
Acq On : 30 Oct 2018 22:33
Operator : JU/SJ
Sample : J5711-05
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

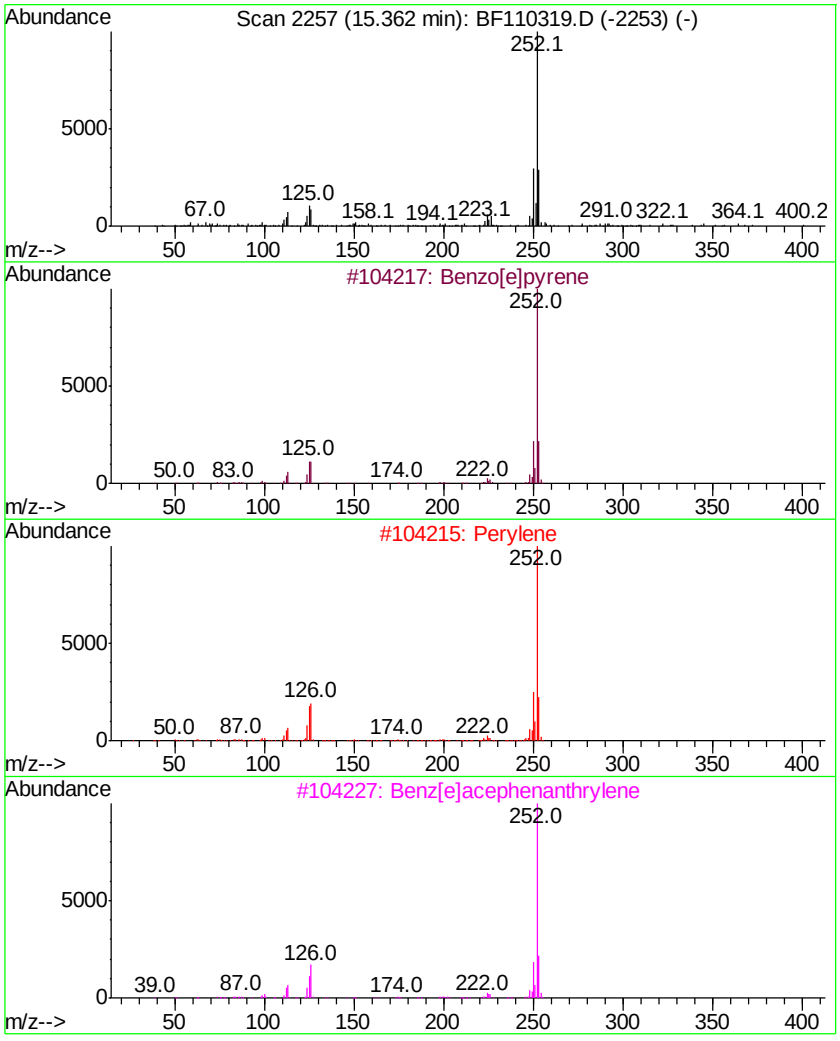
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

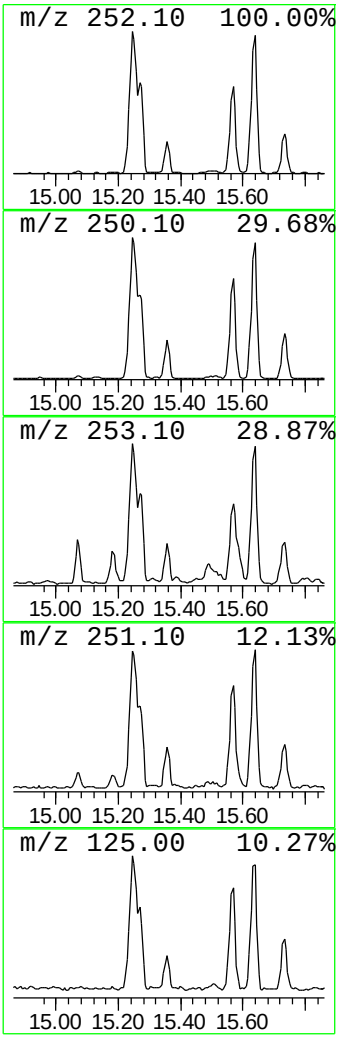
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	8.14 ng	174128	Perylene-d12	15.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Perylene	252	C20H12	000198-55-0	90
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
5	Benzo[a]pyrene	252	C20H12	000050-32-8	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF103018\
Data File : BF110319.D
Acq On : 30 Oct 2018 22:33
Operator : JU/SJ
Sample : J5711-05
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-6

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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...	2.30	11.8	ng	350800	1	6.97	595753	20.0
unknown6.74	6.74	65.2	ng	1941510	1	6.97	595753	20.0
[1,1'-Biphenyl]-4...	10.72	3.9	ng	141120	3	10.02	728668	20.0
2,2-Dimethyl-1-ac...	11.24	3.7	ng	118394	4	11.51	646650	20.0
9H-Fluoren-9-one	11.32	5.3	ng	173041	4	11.51	646650	20.0
Phenol, 4-(2-phen...	11.35	4.4	ng	141822	4	11.51	646650	20.0
Naphtho[1,2-b]thi...	11.40	6.1	ng	197096	4	11.51	646650	20.0
Phenanthrene, 2-m...	12.01	11.3	ng	365587	4	11.51	646650	20.0
Phenanthrene, 1-m...	12.09	6.2	ng	199640	4	11.51	646650	20.0
4H-Cyclopenta[def...	12.13	18.1	ng	585138	4	11.51	646650	20.0
Naphthalene, 1-ph...	12.30	7.5	ng	243583	4	11.51	646650	20.0
9,10-Anthracenedione	12.34	6.0	ng	193944	4	11.51	646650	20.0
Phenanthrene, 2,5...	12.56	5.5	ng	176409	4	11.51	646650	20.0
Cyclopenta(def)ph...	12.66	5.9	ng	190340	4	11.51	646650	20.0
Benz[c]acridine	13.97	3.7	ng	431405	5	14.16	2317930	20.0
Supraene	15.00	8.9	ng	190786	6	15.70	427596	20.0
Benzo[e]pyrene	15.36	8.1	ng	174128	6	15.70	427596	20.0