LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
Data File : BF118018.D
Acq On : 26 Nov 2019 20:20
Operator : JU
Sample : K5938-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ETGI-277

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-BF111319.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	2.152	6	11	17	rVB	260106	330089	7.96%	0.447%
2	5.093	507	511	522	rVB	273231	286507	6.91%	0.388%
3	5.504	577	581	593	rVB	1167779	1046800	25.24%	1.417%
4	6.516	749	753	762	rVB	1287282	1101289	26.56%	1.491%
5	6.663	774	778	781	rBV	1272934	1117090	26.94%	1.513%
6	6.892	814	817	821	rBV	884788	713304	17.20%	0.966%
7	7.051	840	844	847	rBV	1153038	902076	21.75%	1.221%
8	7.451	905	912	919	rBV	745456	682504	16.46%	0.924%
9	8.181	1030	1036	1039	rBV	1082646	934115	22.53%	1.265%
10	8.998	1171	1175	1178	rBV	359567	284731	6.87%	0.386%
11	9.257	1215	1219	1223	rBV	1767412	1454959	35.09%	1.970%
12	9.604	1274	1278	1280	rBV	445823	445696	10.75%	0.603%
13	9.663	1284	1288	1293	rVB2	315858	497909	12.01%	0.674%
14	9.804	1309	1312	1316	rBV	1195783	1029466	24.83%	1.394%
15	9.945	1333	1336	1339	rVV	1325234	1092187	26.34%	1.479%
16	10.145	1366	1370	1374	rVV2	312288	348966	8.42%	0.473%
17	10.186	1374	1377	1380	rVV	327447	269786	6.51%	0.365%
18	10.257	1386	1389	1393	rBV2	342776	460114	11.10%	0.623%
19	10.351	1401	1405	1407	rBV3	198508	312828	7.54%	0.424%
20	10.492	1427	1429	1436	rVV2	405586	587911	14.18%	0.796%
21	10.604	1446	1448	1452	rVV2	235910	268774	6.48%	0.364%
22	10.651	1452	1456	1459	rVV3	167466	266669	6.43%	0.361%
23	10.733	1465	1470	1475	rVV2	843126	886220	21.37%	1.200%
24	10.863	1487	1492	1495	rVV2	351758	384400	9.27%	0.520%
25	11.045	1519	1523	1526	rVV2	380884	568367	13.71%	0.770%
26	11.075	1526	1528	1531	rVV	410827	383512	9.25%	0.519%
27	11.127	1535	1537	1541	rVV	298671	294475	7.10%	0.399%
28	11.175	1541	1545	1547	rVV2	181197	272545	6.57%	0.369%
29	11.198	1547	1549	1552	rVV	270347	291036	7.02%	0.394%
30	11.245	1554	1557	1560	rVV2	320072	380235	9.17%	0.515%
31	11.333	1569	1572	1577	rVB	388950	397830	9.59%	0.539%
32	11.439	1587	1590	1592	rBV	969862	886554	21.38%	1.200%
33	11.469	1592	1595	1598	rVV	3246471	2809591	67.75%	3.804%
34	11.516	1600	1603	1606	rVV	835193	650893	15.70%	0.881%

LSC Area Percent Report

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Acq On : 26 Nov 2019 20:20
Operator : JU
Sample : K5938-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ETGI-277

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-BF111319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.545	1606	1608	1612	rVV2	297421	363012	8.75%	0.492%
36	11.675	1627	1630	1635	rBV3	155929	326501	7.87%	0.442%
37	11.775	1642	1647	1651	rVB2	510418	479132	11.55%	0.649%
38	11.857	1658	1661	1664	rVB	276782	304951	7.35%	0.413%
39	11.945	1673	1676	1679	rBV	1564238	1585022	38.22%	2.146%
40	11.975	1679	1681	1685	rVB	2013556	1606713	38.75%	2.176%
41	12.022	1686	1689	1692	rBV	487193	480236	11.58%	0.650%
42	12.057	1692	1695	1698	rBV	1911353	2060247	49.68%	2.790%
43	12.080	1698	1699	1703	rVB	1429957	1022964	24.67%	1.385%
44	12.180	1713	1716	1718	rVB2	331346	280807	6.77%	0.380%
45	12.239	1721	1726	1728	rBV2	693683	600858	14.49%	0.814%
46	12.269	1728	1731	1737	rVB2	695169	860429	20.75%	1.165%
47	12.374	1746	1749	1750	rBV	303615	286068	6.90%	0.387%
48	12.392	1750	1752	1755	rVV	340233	274171	6.61%	0.371%
49	12.422	1755	1757	1759	rVV	596291	465434	11.22%	0.630%
50	12.445	1759	1761	1764	rVB2	598824	537153	12.95%	0.727%
51	12.504	1764	1771	1773	rBV	1717787	2140607	51.62%	2.898%
52	12.533	1773	1776	1779	rVV2	739763	1001940	24.16%	1.357%
53	12.557	1779	1780	1782	rVB	690172	362743	8.75%	0.491%
54	12.586	1782	1785	1790	rBV2	775228	1076727	25.97%	1.458%
55	12.663	1793	1798	1801	rBV	2711331	2605290	62.83%	3.528%
56	12.704	1801	1805	1807	rBV2	391716	379849	9.16%	0.514%
57	12.727	1807	1809	1811	rVB2	344805	249483	6.02%	0.338%
58	12.757	1811	1814	1817	rVB	448939	378068	9.12%	0.512%
59	12.792	1817	1820	1822	rBV3	291155	248457	5.99%	0.336%
60	12.816	1822	1824	1827	rBV3	255154	279572	6.74%	0.379%
61	12.898	1832	1838	1843	rBV	3353469	4146738	100.00%	5.615%
62	12.951	1843	1847	1850	rVB2	786569	901603	21.74%	1.221%
63	13.004	1850	1856	1858	rBV3	347962	572923	13.82%	0.776%
64	13.027	1858	1860	1863	rBV	1034771	956886	23.08%	1.296%
65	13.051	1863	1864	1868	rVB2	407033	298613	7.20%	0.404%
66	13.110	1870	1874	1881	rBV4	803121	1476551	35.61%	1.999%
67	13.169	1881	1884	1886	rBV	353269	334169	8.06%	0.452%
68	13.198	1886	1889	1891	rBV3	655982	838607	20.22%	1.136%
69	13.221	1891	1893	1896	rVB	1127638	943130	22.74%	1.277%
70	13.269	1896	1901	1902	rBV4	271047	341308	8.23%	0.462%
71	13.286	1902	1904	1908	rVB	513600	458672	11.06%	0.621%

LSC Area Percent Report

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Data File : BF118018.D
Acq On : 26 Nov 2019 20:20
Operator : JU
Sample : K5938-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ETGI-277

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-BF111319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.327	1908	1911	1915	rVB	1075385	975298	23.52%	1.321%
73	13.392	1919	1922	1924	rBV2	296411	318519	7.68%	0.431%
74	13.421	1924	1927	1930	rVB	965655	797232	19.23%	1.079%
75	13.451	1930	1932	1935	rVB	791738	689965	16.64%	0.934%
76	13.480	1935	1937	1941	rVB4	249614	285892	6.89%	0.387%
77	13.539	1944	1947	1949	rVB	261390	264002	6.37%	0.357%
78	13.627	1959	1962	1964	rBV	306079	384684	9.28%	0.521%
79	13.733	1977	1980	1984	rVB	686321	874915	21.10%	1.185%
80	13.792	1988	1990	1993	rVV	390732	326430	7.87%	0.442%
81	13.839	1994	1998	2002	rVV4	583299	1069103	25.78%	1.448%
82	13.898	2006	2008	2010	rBV	310868	342803	8.27%	0.464%
83	13.939	2013	2015	2019	rVV2	429369	485620	11.71%	0.658%
84	14.086	2036	2040	2044	rBV2	1644301	2590197	62.46%	3.507%
85	14.127	2044	2047	2051	rVV	1745780	1798154	43.36%	2.435%
86	14.180	2054	2056	2059	rVB	379899	269305	6.49%	0.365%
87	14.486	2103	2108	2111	rVB	878588	977692	23.58%	1.324%
88	14.521	2111	2114	2117	rVB	662083	584203	14.09%	0.791%
89	14.557	2117	2120	2122	rBV2	331681	357520	8.62%	0.484%
90	14.616	2127	2130	2132	rBV	439282	351915	8.49%	0.477%
91	14.680	2139	2141	2144	rVB2	283829	270216	6.52%	0.366%
92	14.827	2163	2166	2172	rVB2	165925	285244	6.88%	0.386%
93	14.921	2179	2182	2186	rVB	281136	311980	7.52%	0.422%
94	15.057	2202	2205	2211	rVB3	203395	346410	8.35%	0.469%
95	15.163	2219	2223	2230	rBV	727069	1346489	32.47%	1.823%
96	15.474	2273	2276	2282	rVB	587514	711930	17.17%	0.964%
97	15.545	2283	2288	2295	rVB	856943	1241094	29.93%	1.680%
98	15.610	2295	2299	2302	rBV	351307	485989	11.72%	0.658%
99	17.139	2555	2559	2566	rVB2	309824	536534	12.94%	0.726%
100	17.609	2633	2639	2645	rVB	226860	408909	9.86%	0.554%

Sum of corrected areas: 73853306

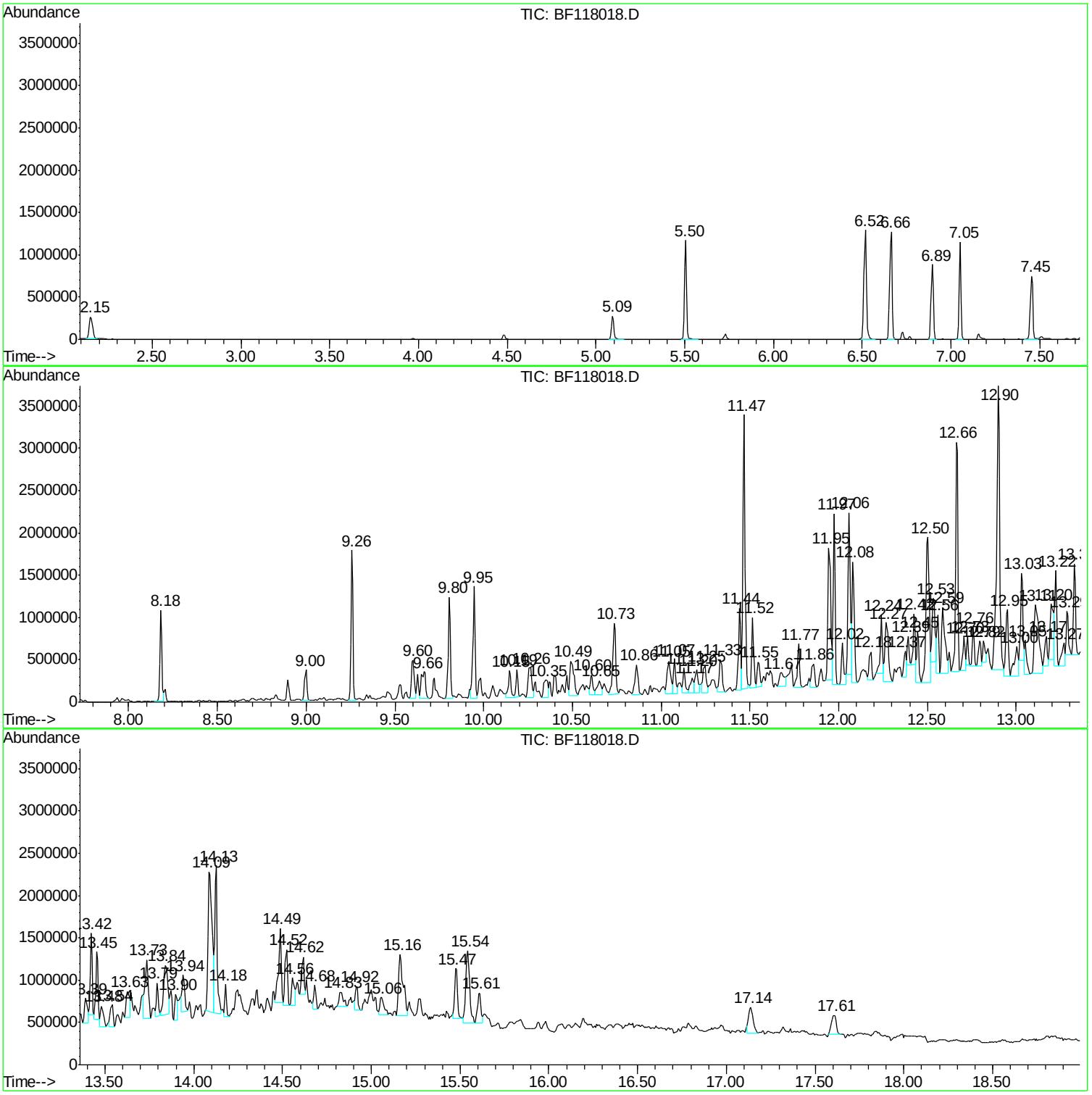
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
Data File : BF118018.D
Acq On : 26 Nov 2019 20:20
Operator : JU
Sample : K5938-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ETGI-277

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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\BF112619\
Data File : BF118018.D
Acq On : 26 Nov 2019 20:20
Operator : JU
Sample : K5938-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ETGI-277

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

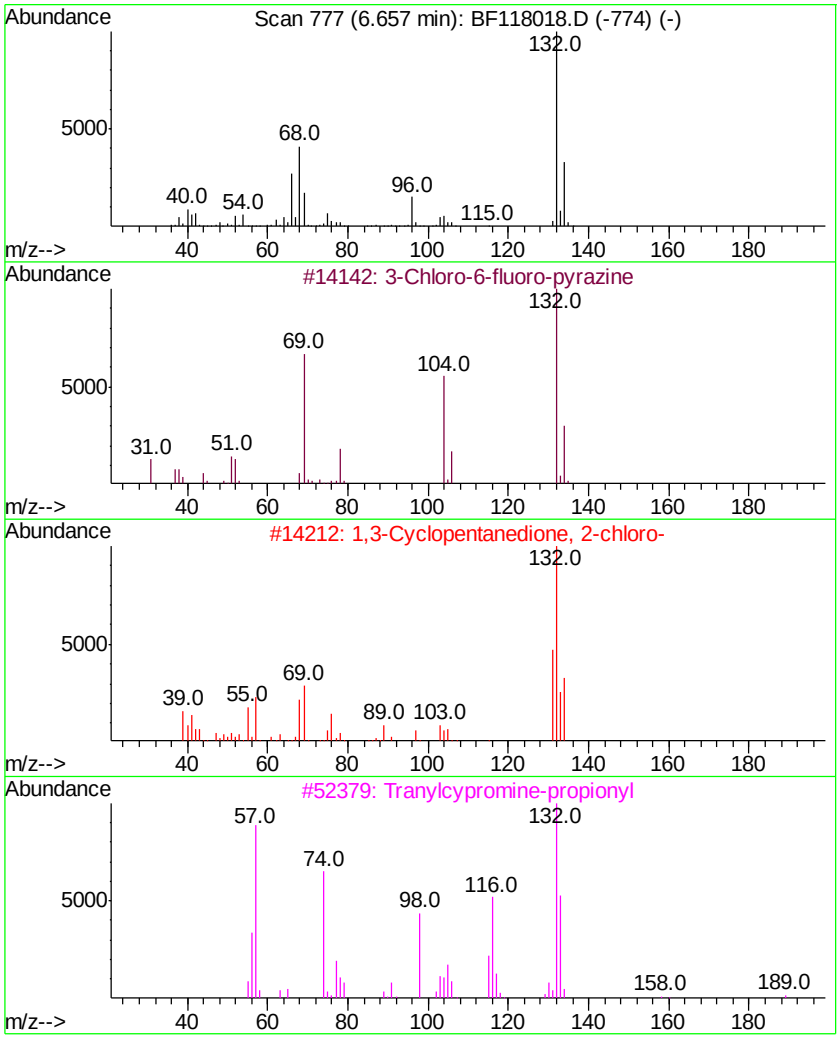
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

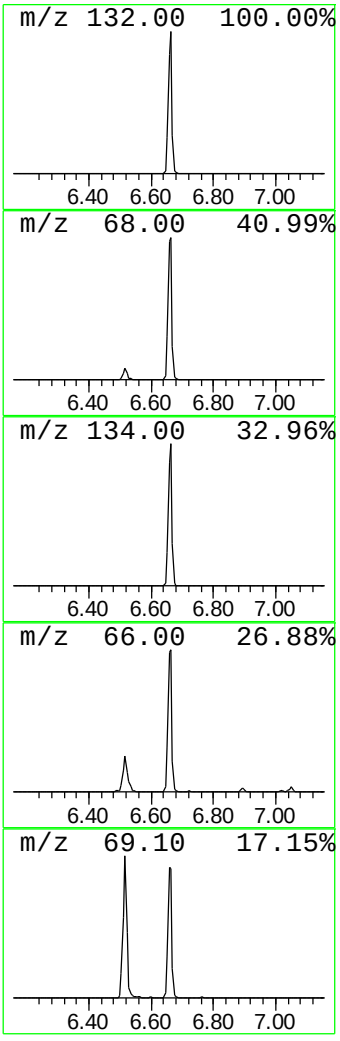
****

Peak Number 1 unknown6.66 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	31.32 ng	1117090	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	23
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
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Instrument : BNA_F
ClientSampleId : ETGI-277

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

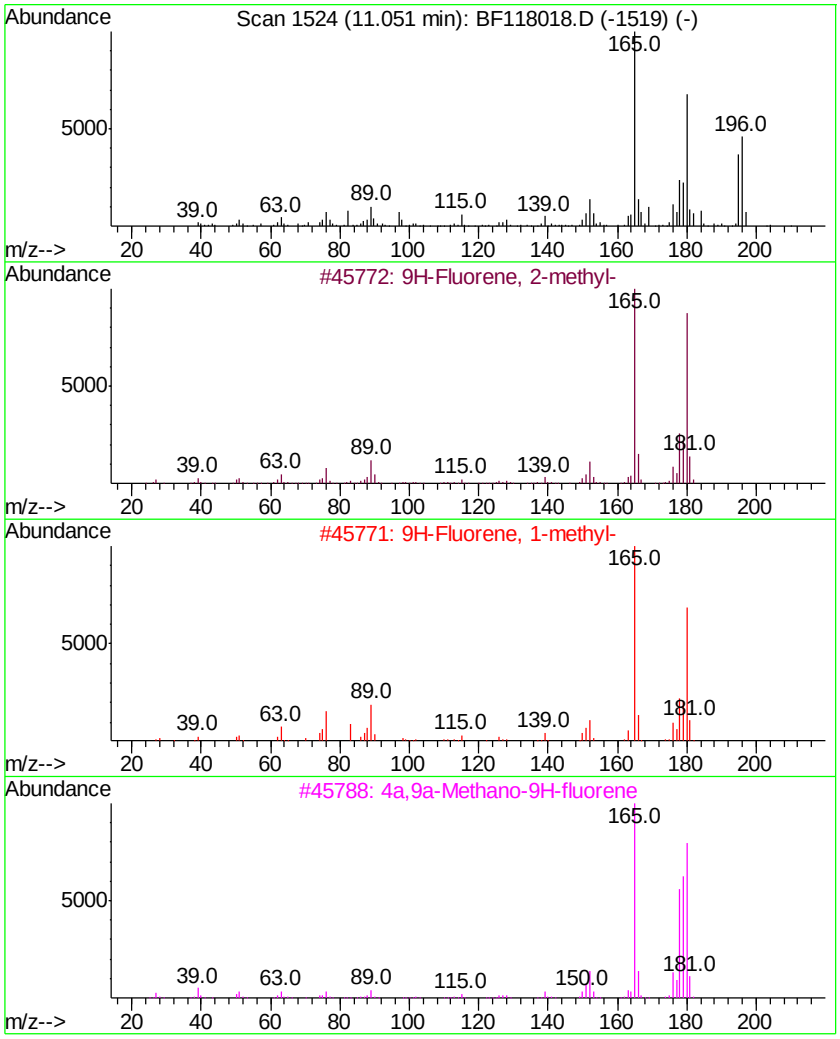
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

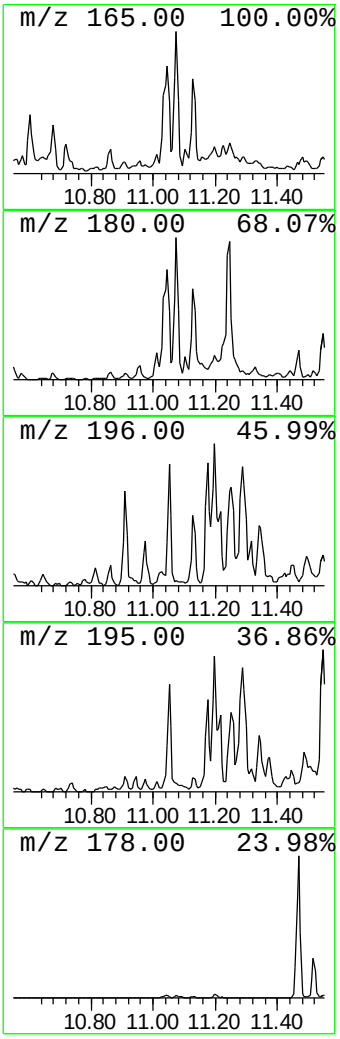
****

Peak Number 3 9H-Fluorene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.05	12.82 ng	568367	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	89
3	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	83
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	70





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Instrument : BNA_F
ClientSampleId : ETGI-277

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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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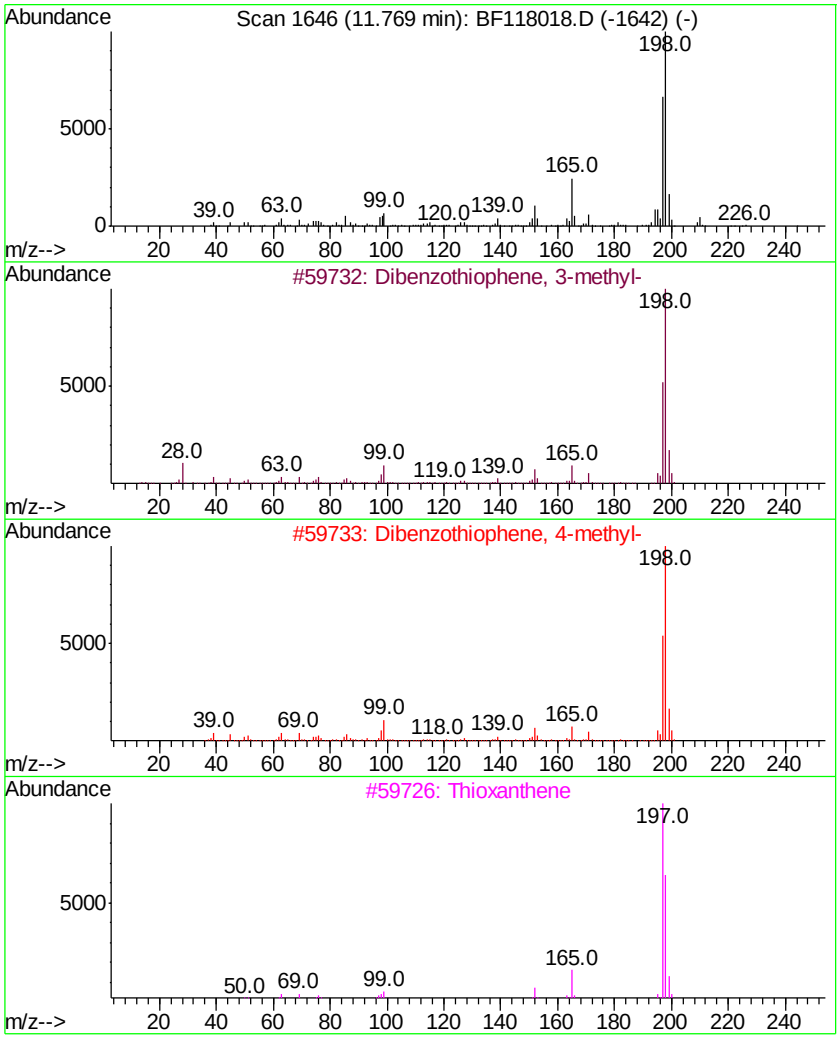
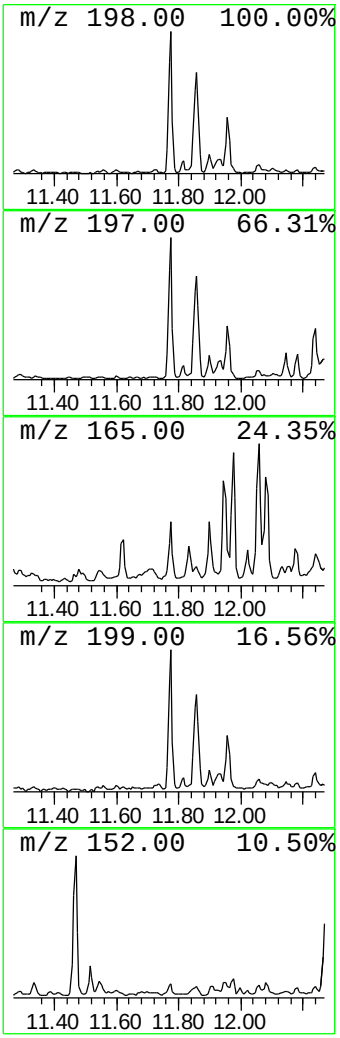
Peak Number 4 Dibenzothiophene, 3-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	10.81 ng	479132	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	70
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	64
3	Thioxanthene	198	C13H10S	000261-31-4	64
4	Pyridine, 4-(4-dimethylaminophen...	198	C13H14N2	001137-80-0	59
5	Tacrine	198	C13H14N2	000321-64-2	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
Data File : BF118018.D
Acq On : 26 Nov 2019 20:20
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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ETGI-277

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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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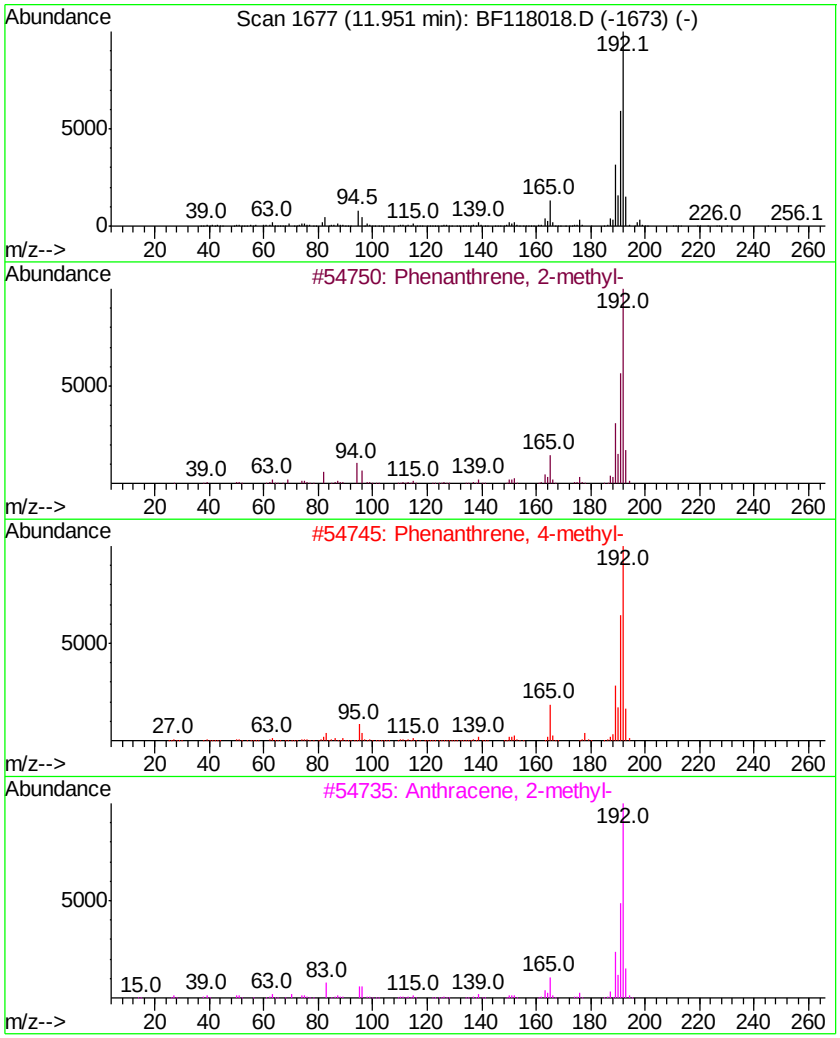
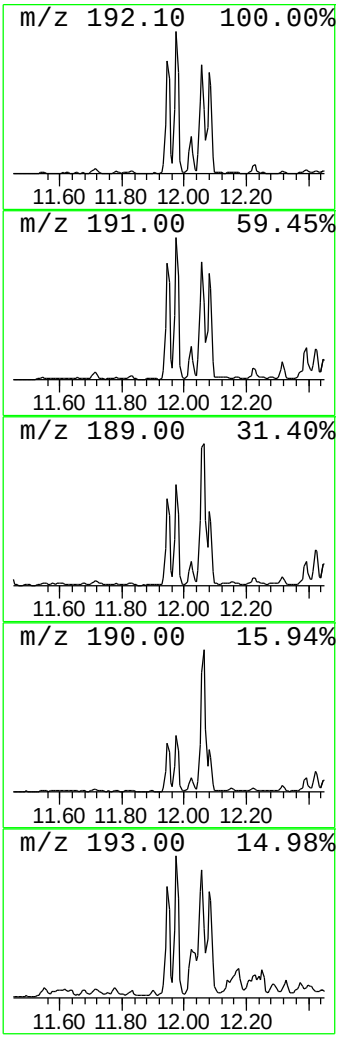
Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	35.76 ng	1585020	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
Data File : BF118018.D
Acq On : 26 Nov 2019 20:20
Operator : JU
Sample : K5938-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ETGI-277

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

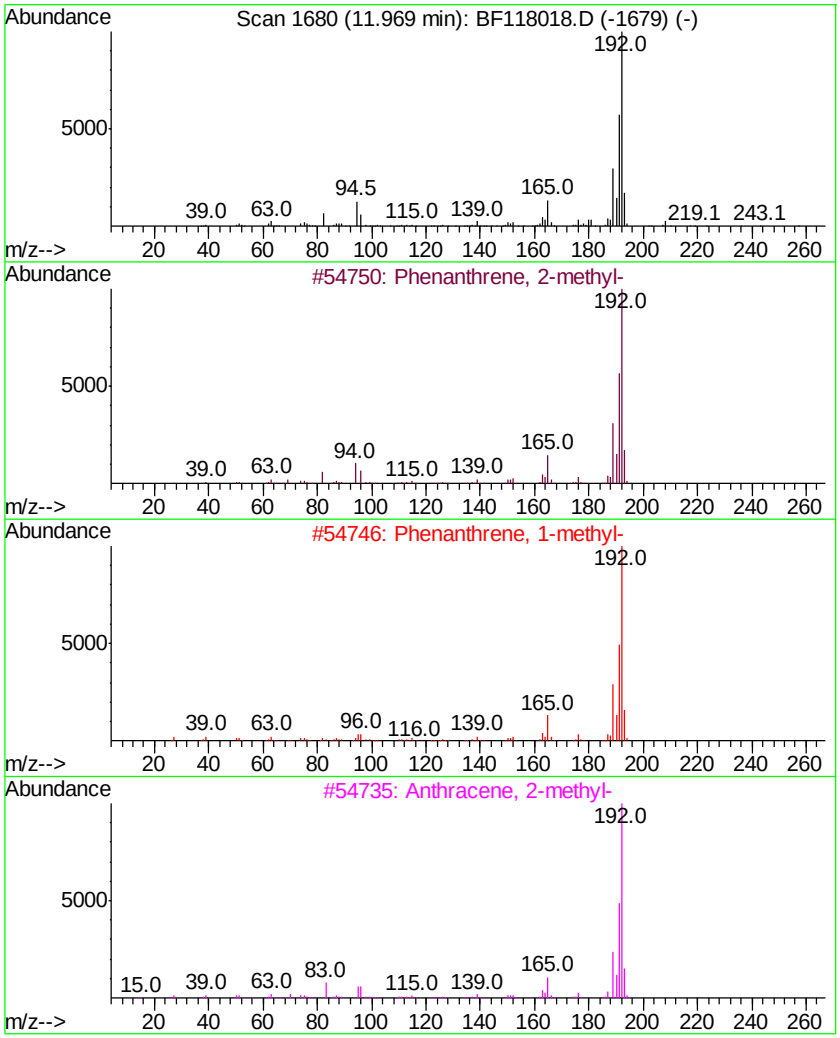
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

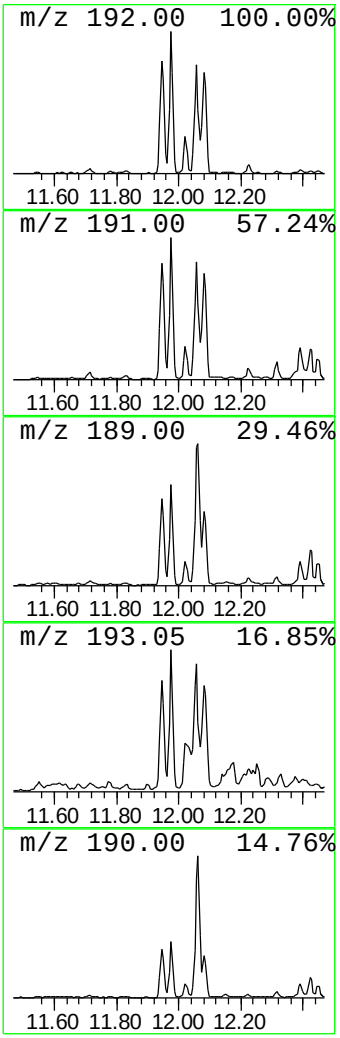
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	36.25 ng	1606710	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Acq On : 26 Nov 2019 20:20
Operator : JU
Sample : K5938-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ETGI-277

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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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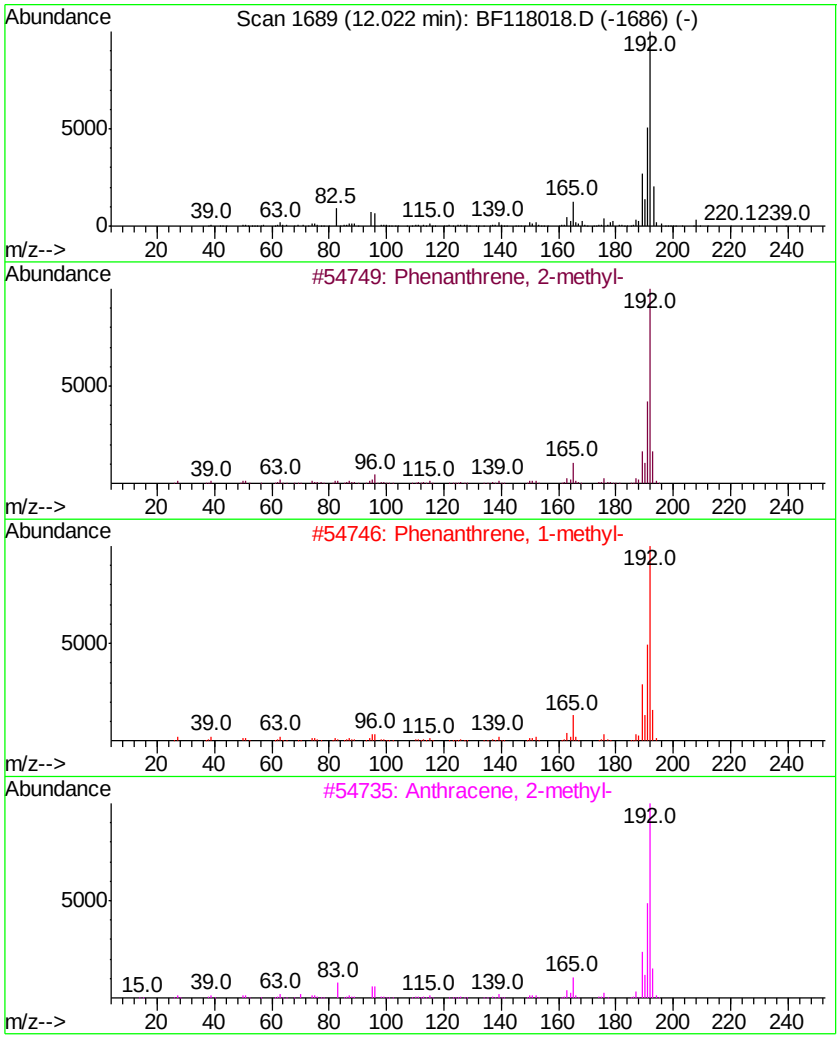
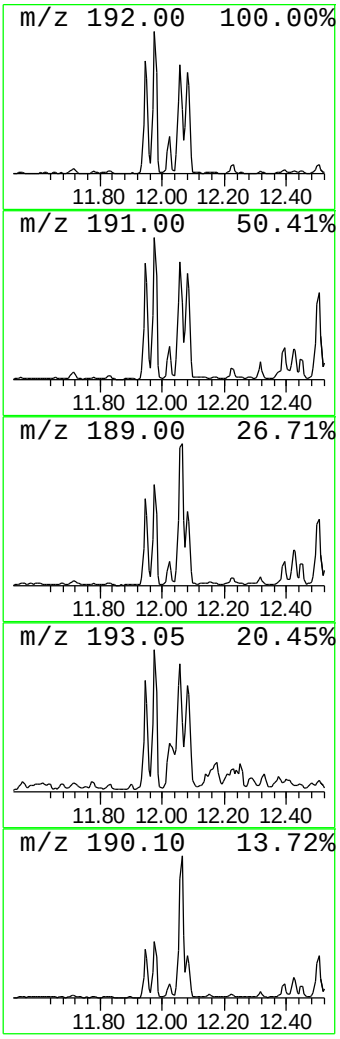
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	10.83 ng	480236	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
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	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95





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Misc :
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Instrument : BNA_F
ClientSampleId : ETGI-277

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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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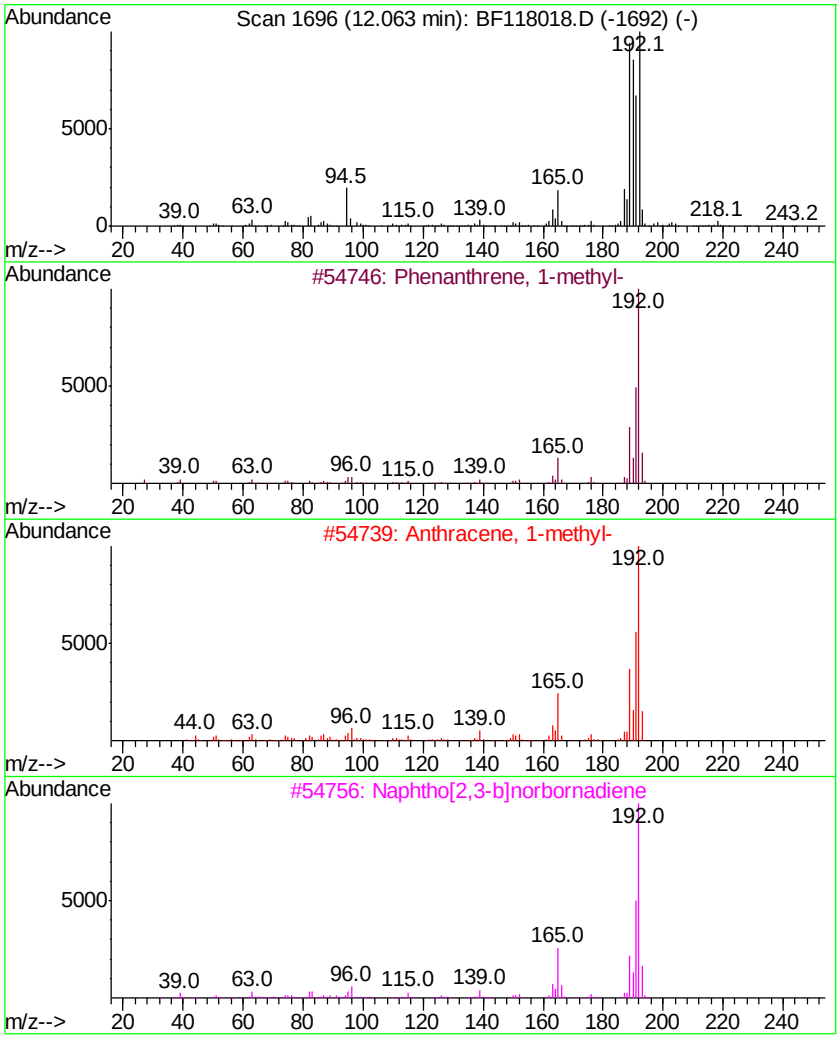
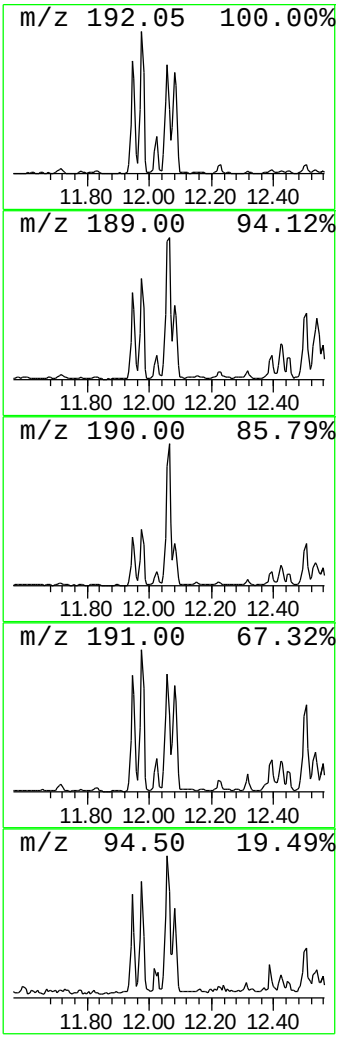
Peak Number 8 Naphtho[2,3-b]norbornadiene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.06	46.48 ng	2060250	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
3	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	64
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	60
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	60





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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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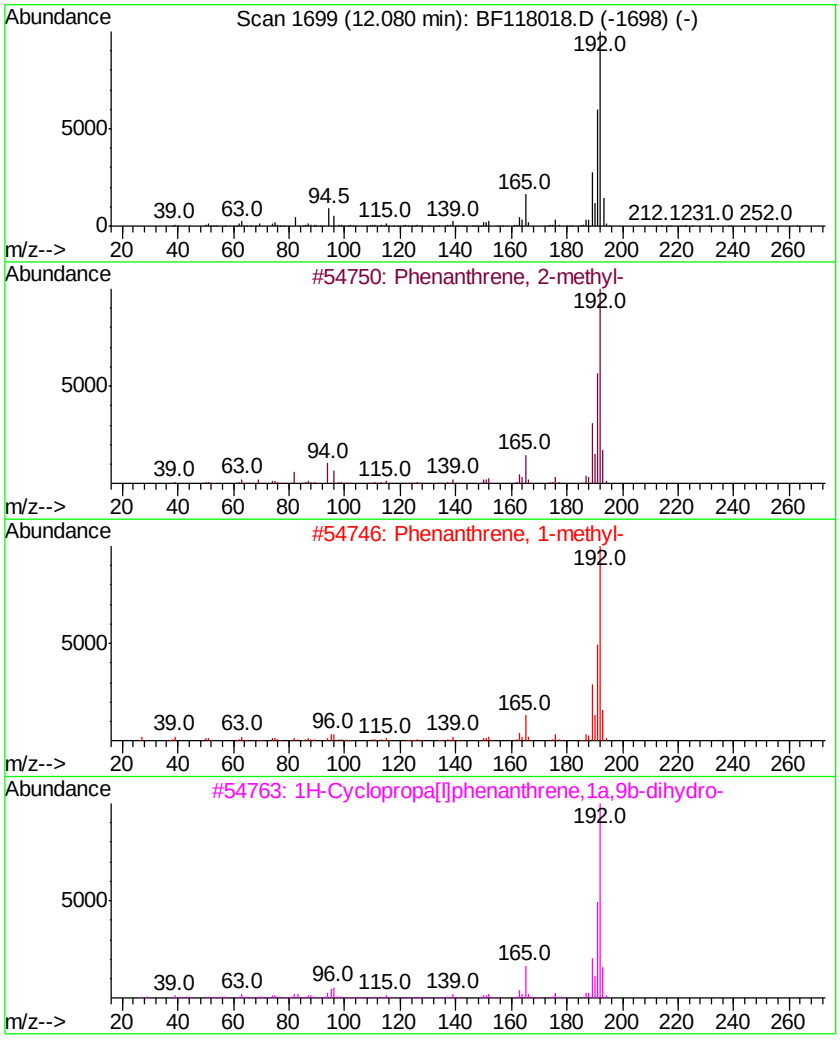
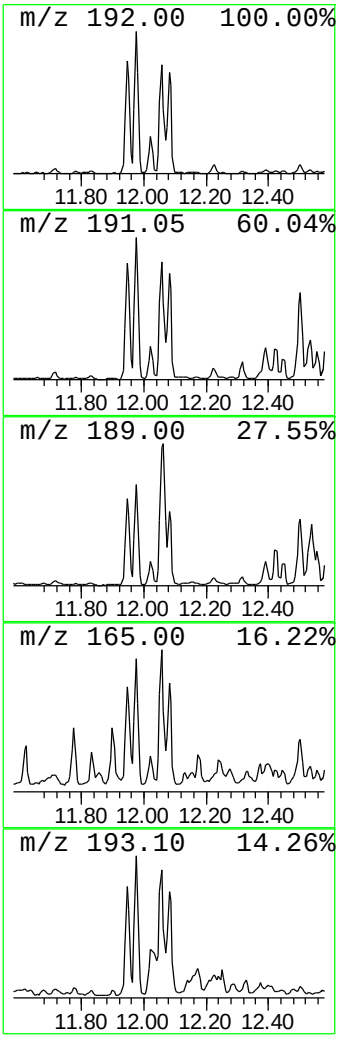
Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	23.08 ng	1022960	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96





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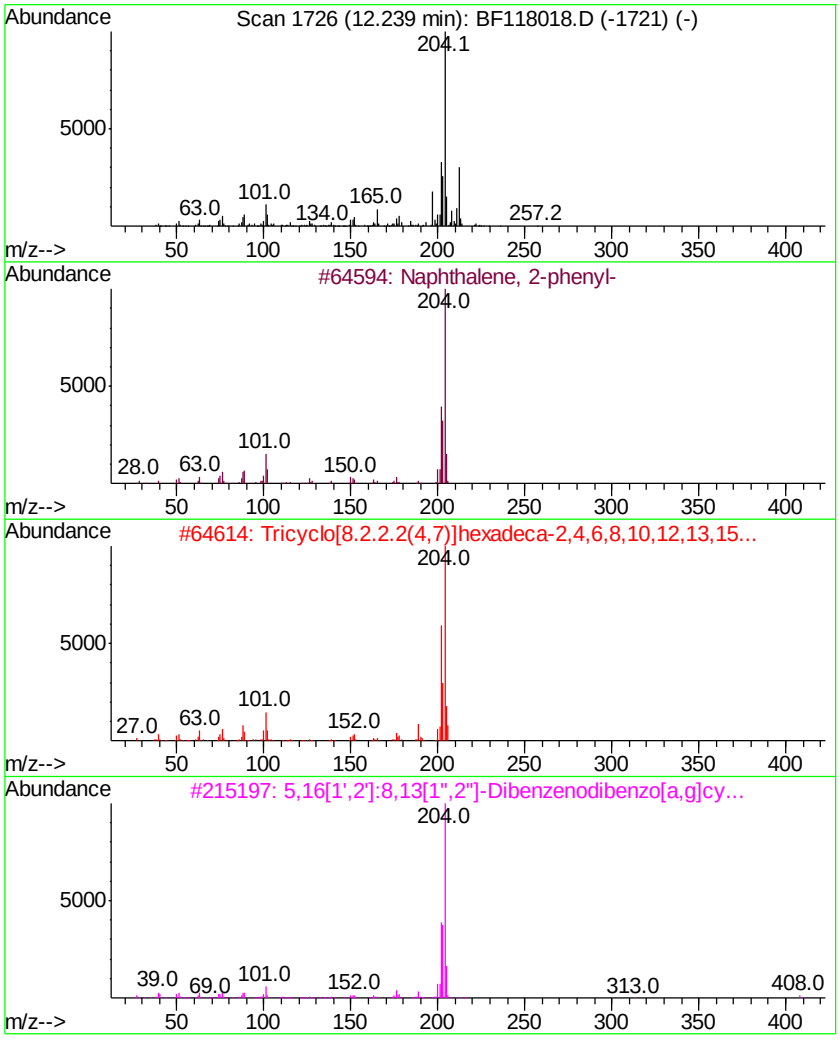
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

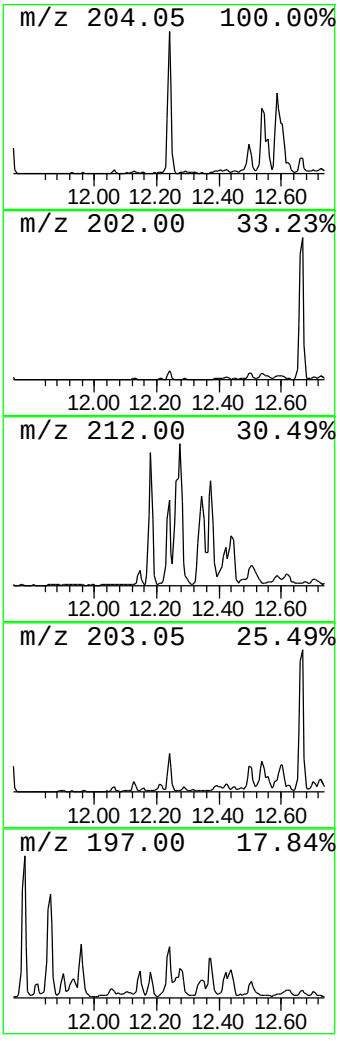
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.24	13.55 ng	600858	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	78
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	60
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	53
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	46





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Sample : K5938-01 2X
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ALS Vial : 21 Sample Multiplier: 1

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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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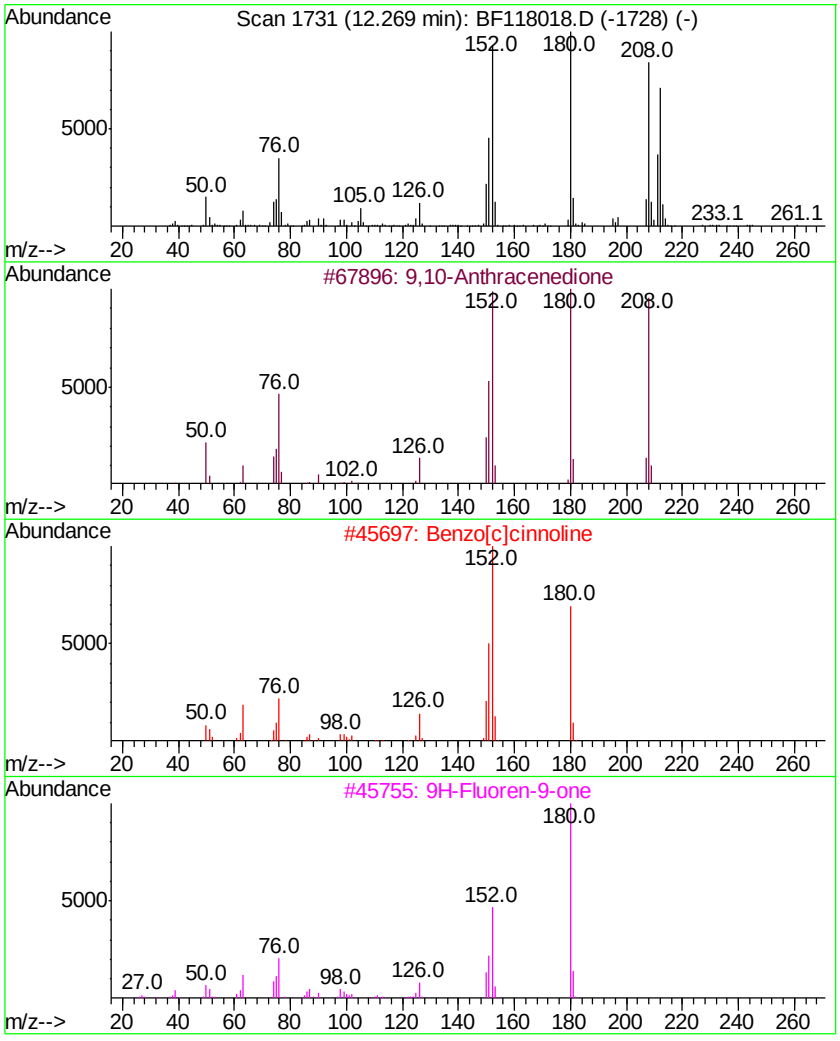
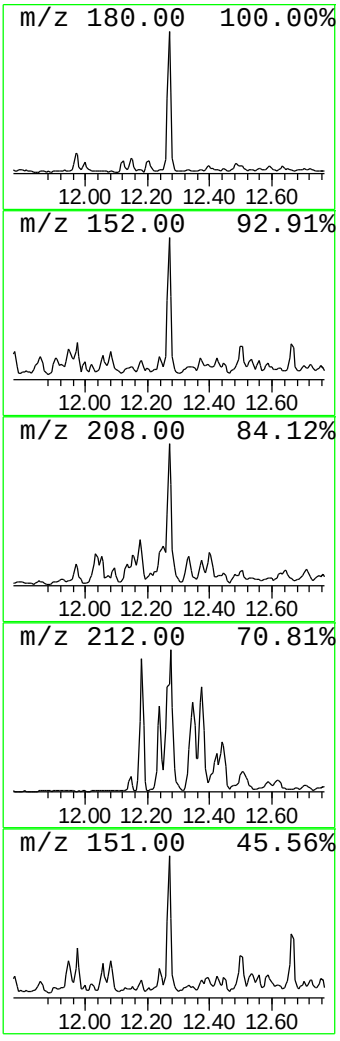
Peak Number 11 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.27	19.41 ng	860429	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	60
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	38





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Operator : JU
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Misc :
ALS Vial : 21 Sample Multiplier: 1

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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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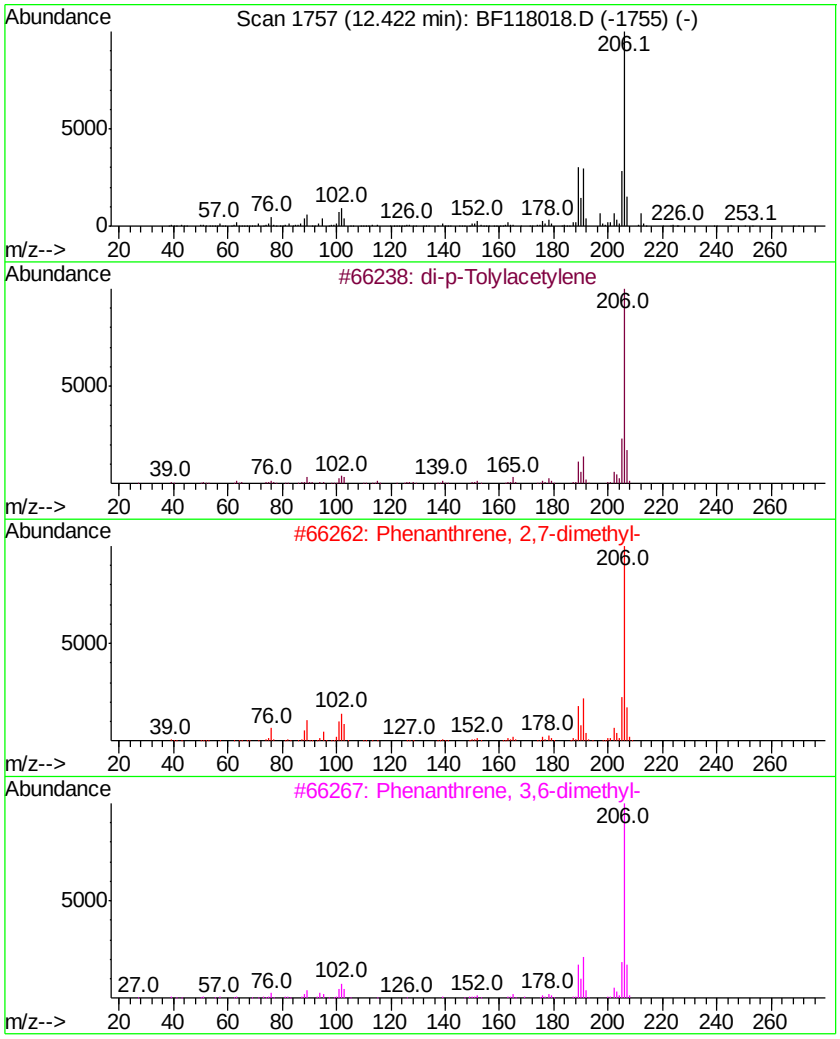
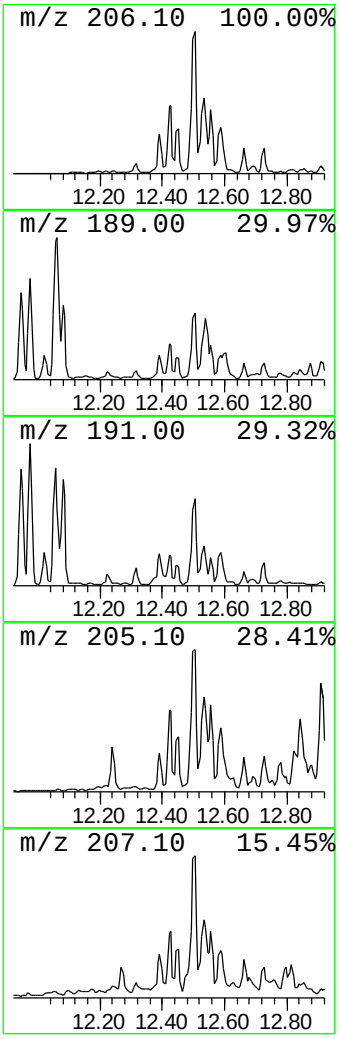
Peak Number 12 di-p-Tolylacetylene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	10.50 ng	465434	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	86
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	72
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	72





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ClientSampleId : ETGI-277

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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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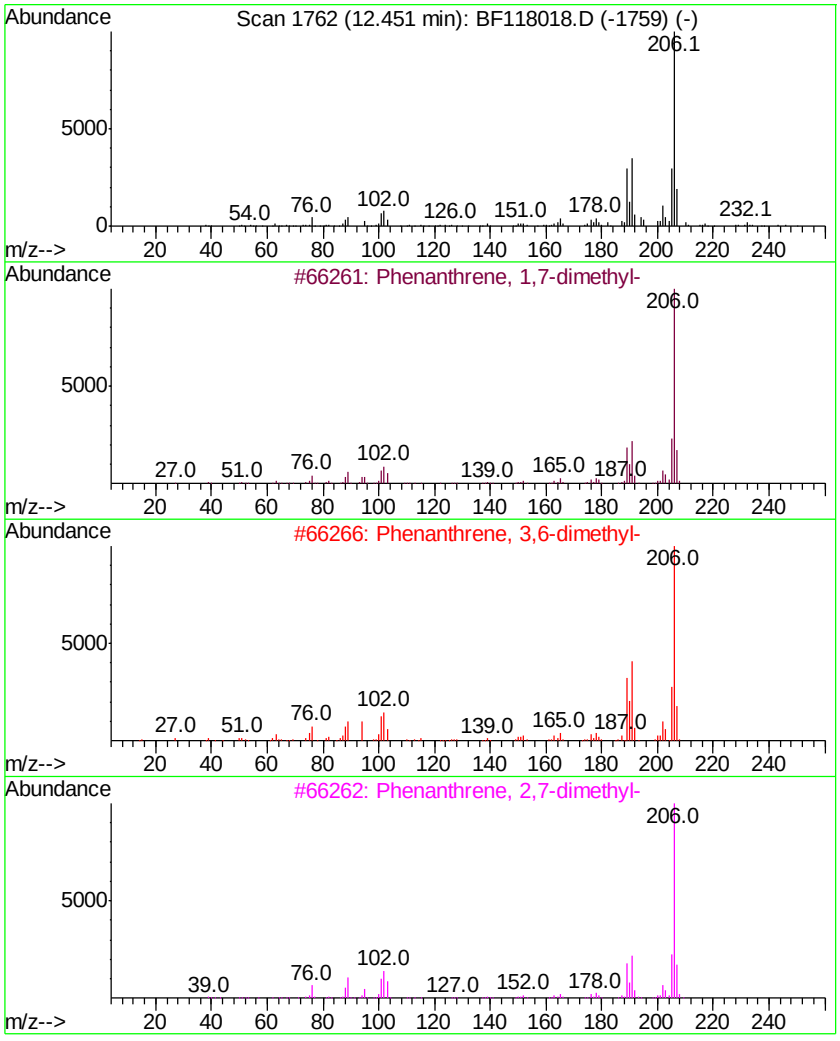
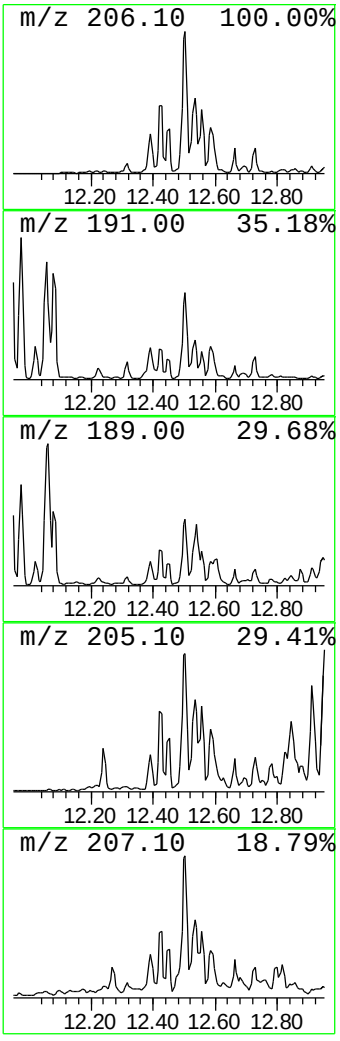
Peak Number 13 Phenanthrene, 1,7-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	12.12 ng	537153	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





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ClientSampleId : ETGI-277

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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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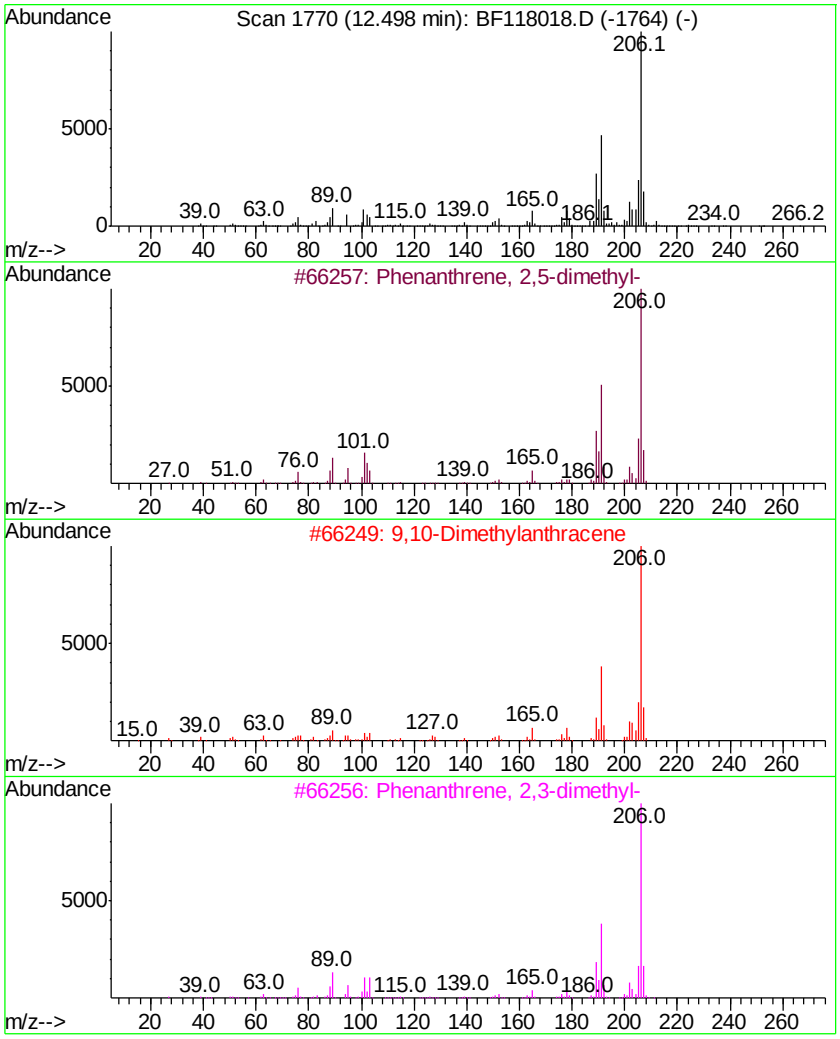
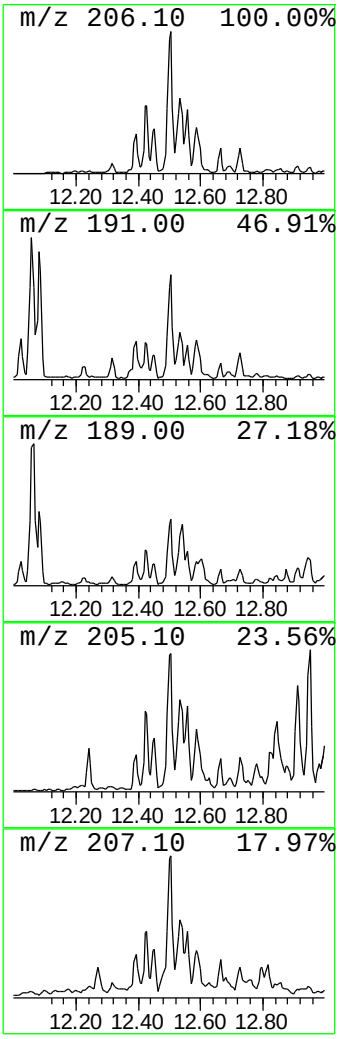
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	48.29 ng	2140610	Phenanthrene-d10	11.44

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	95
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	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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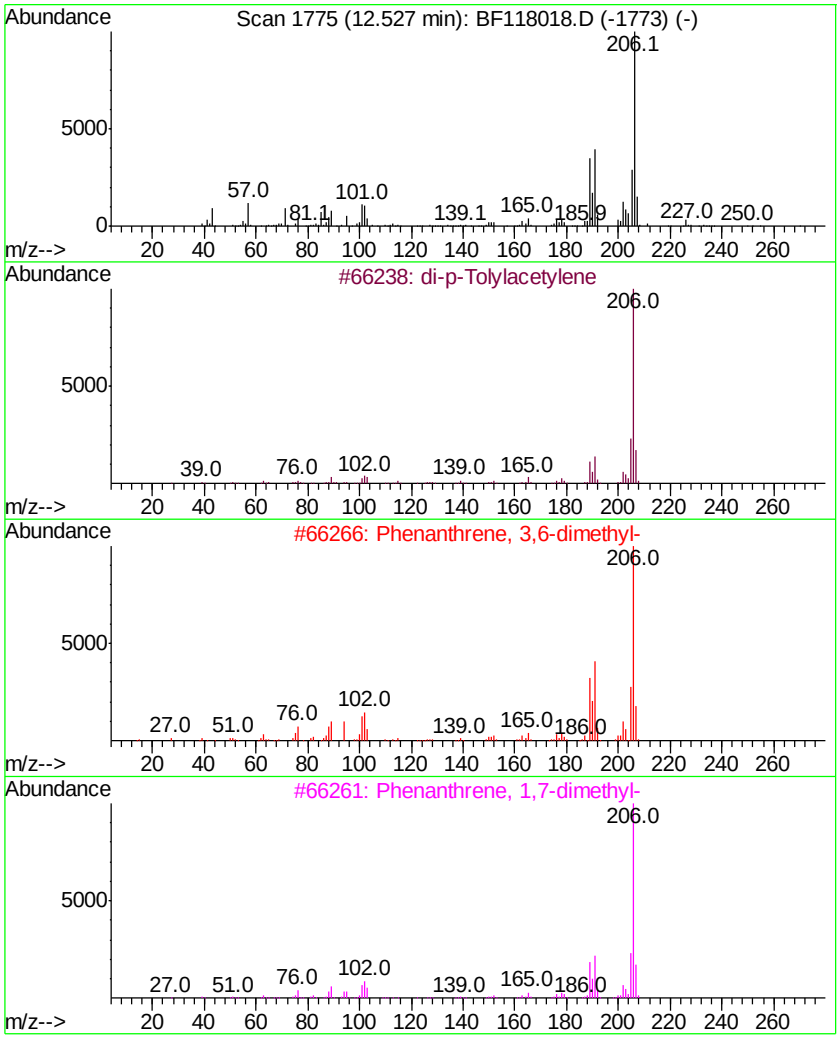
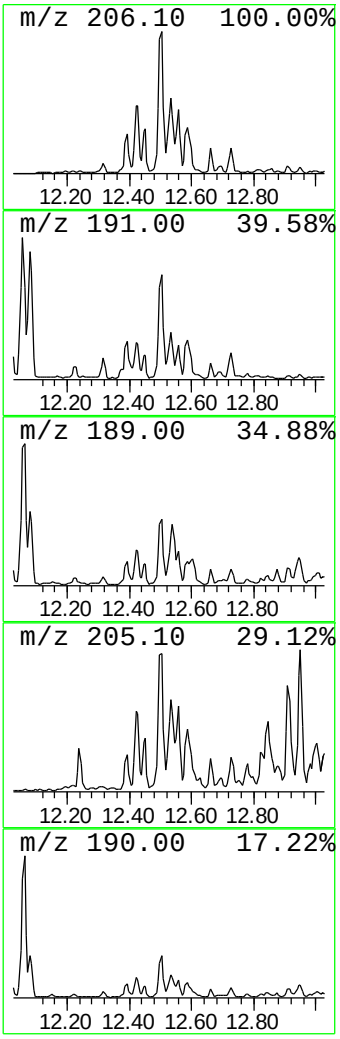
Peak Number 15 Phenanthrene, 3,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	22.60 ng	1001940	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	87
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	80
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	70





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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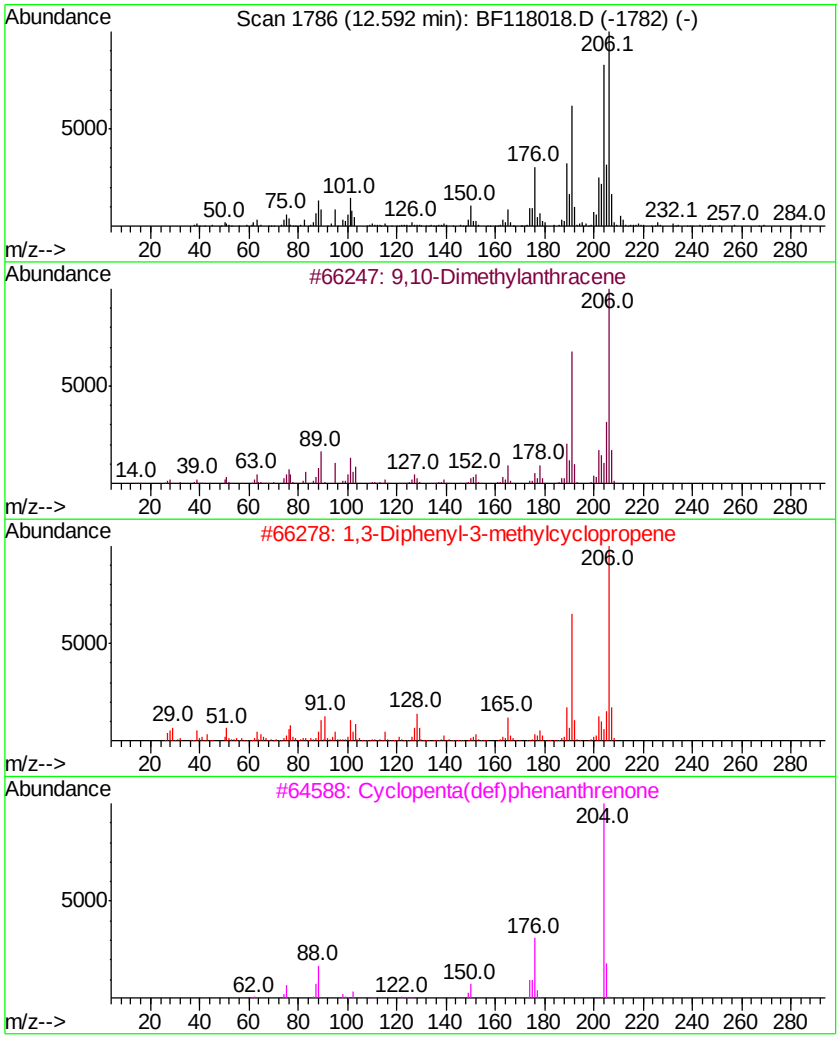
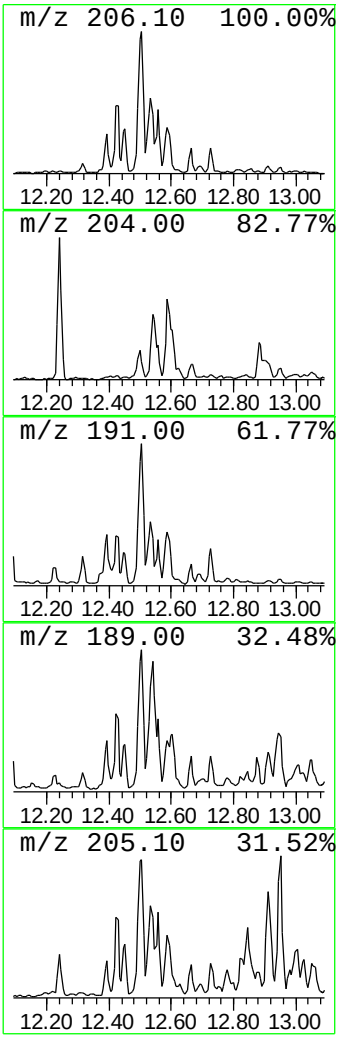
Peak Number 16 9,10-Dimethylanthracene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	24.29 ng	1076730	Phenanthrene-d10	11.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
2	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	89
3	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	86
4	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	64
5	1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	64





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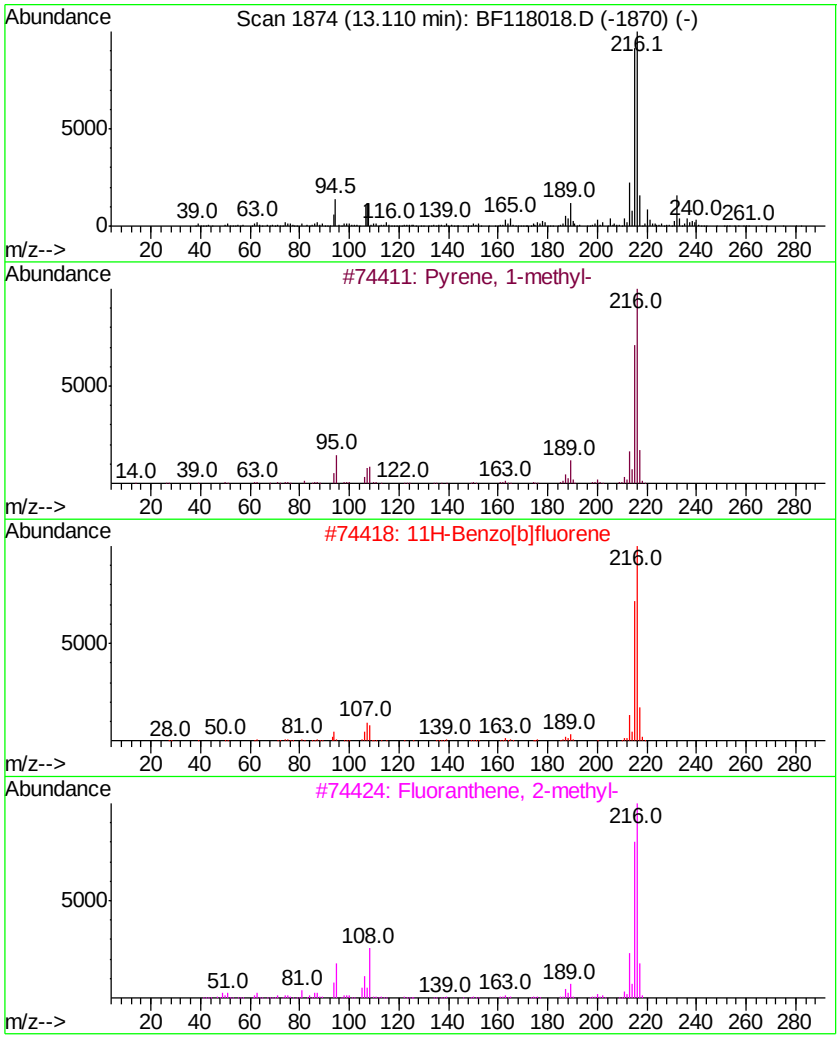
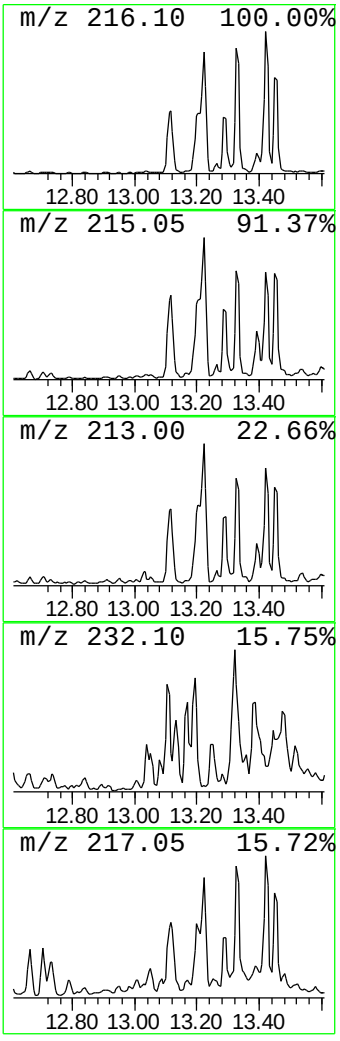
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	11.40 ng	1476550	Chrysene-d12	14.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Instrument : BNA_F
ClientSampleId : ETGI-277

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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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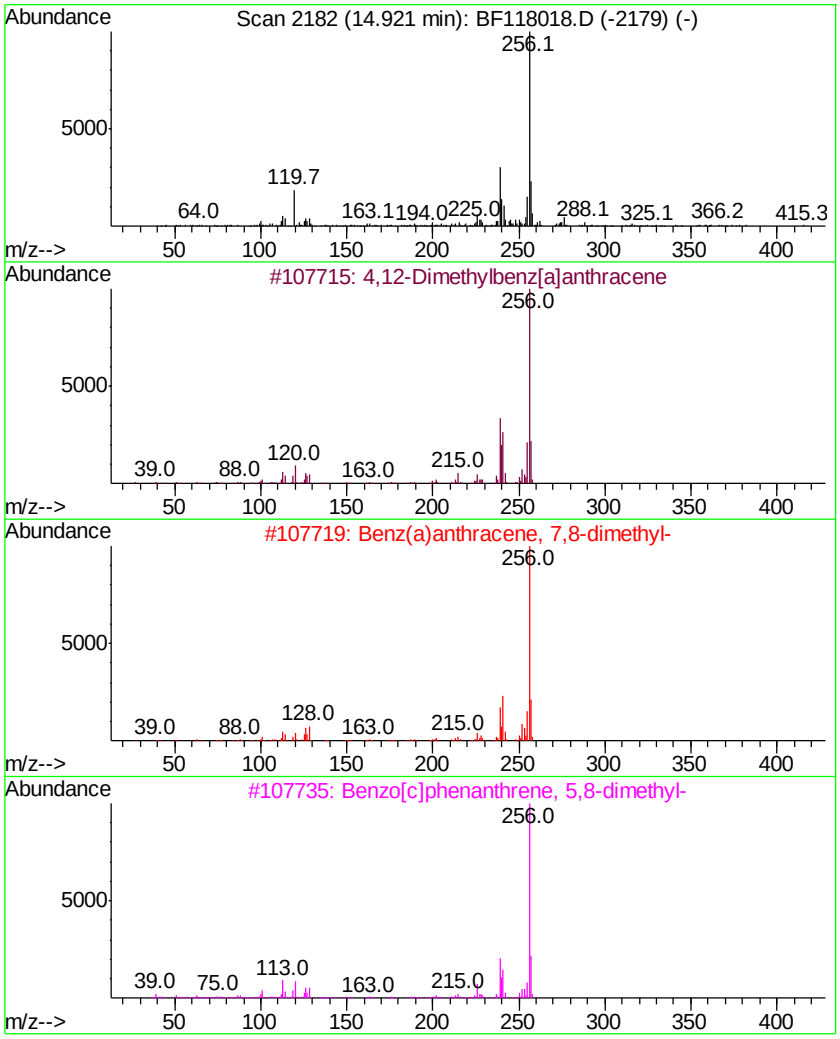
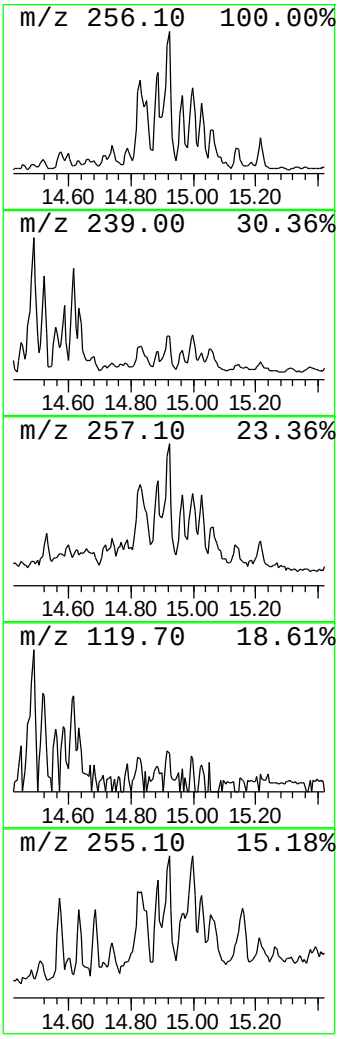
Peak Number 18 4,12-Dimethylbenz[a]anthracene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.92	12.84 ng	311980	Perylene-d12	15.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,12-Dimethylbenz[a]anthracene	256	C20H16	035187-19-0	91
2	Benz(a)anthracene, 7,8-dimethyl-	256	C20H16	000604-81-9	90
3	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	83
4	Benz[a]anthracene, 7,12-dimethyl-	256	C20H16	000057-97-6	81
5	Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
Data File : BF118018.D
Acq On : 26 Nov 2019 20:20
Operator : JU
Sample : K5938-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ETGI-277

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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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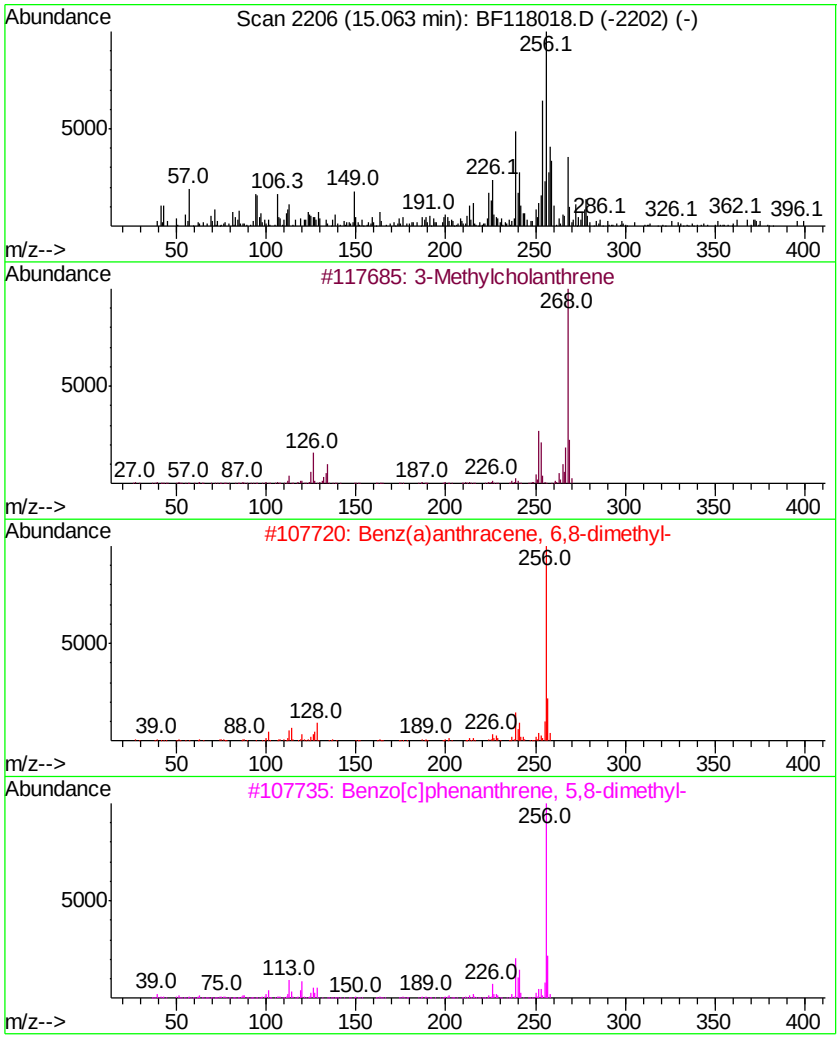
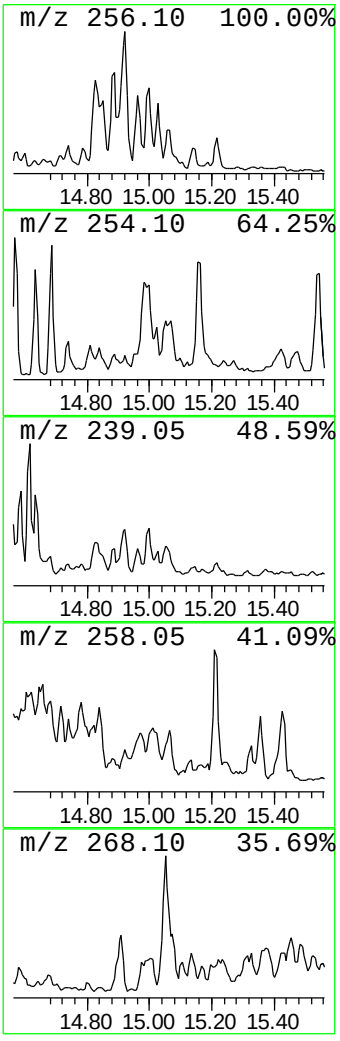
Peak Number 19 3-Methylcholanthrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	14.26 ng	346410	Perylene-d12	15.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylcholanthrene	268	C21H16	000056-49-5	50
2	Benz(a)anthracene, 6,8-dimethyl-	256	C20H16	000317-64-6	46
3	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	46
4	3,9-Dimethylbenz[a]anthracene	256	C20H16	000316-51-8	38
5	Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	38





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
Data File : BF118018.D
Acq On : 26 Nov 2019 20:20
Operator : JU
Sample : K5938-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ETGI-277

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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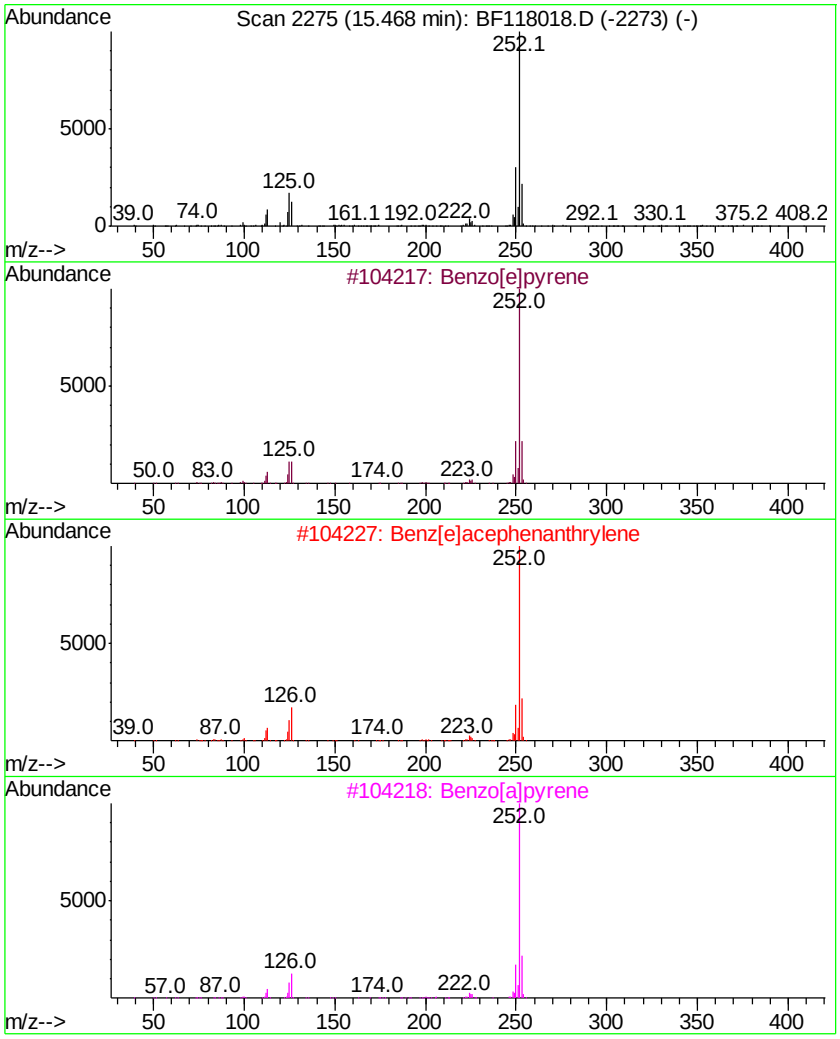
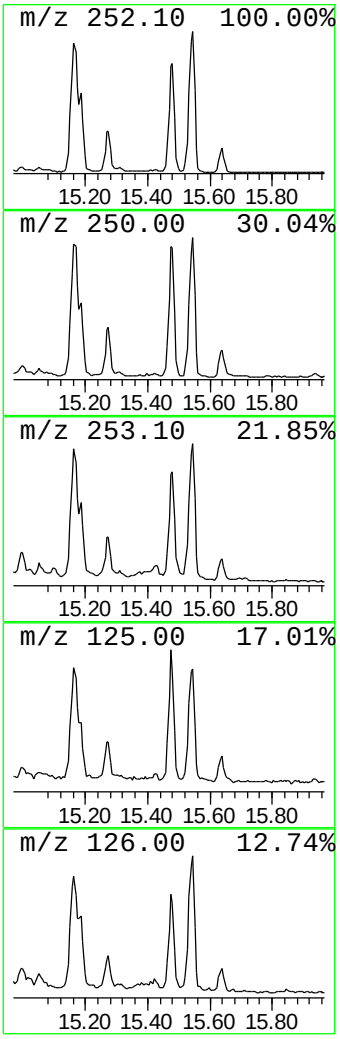
Peak Number 20 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	29.30 ng	711930	Perylene-d12	15.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Perylene	252	C20H12	000198-55-0	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF112619\
Data File : BF118018.D
Acq On : 26 Nov 2019 20:20
Operator : JU
Sample : K5938-01 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : ETGI-277

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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
unknown6.66	6.66	31.3	ng	1117090	1	6.89	713304	20.0
9H-Fluorene, 2-me...	11.05	12.8	ng	568367	4	11.44	886554	20.0
Dibenzothiophene,...	11.77	10.8	ng	479132	4	11.44	886554	20.0
Phenanthrene, 2-m...	11.95	35.8	ng	1585020	4	11.44	886554	20.0
Phenanthrene, 1-m...	11.97	36.3	ng	1606710	4	11.44	886554	20.0
Anthracene, 2-met...	12.02	10.8	ng	480236	4	11.44	886554	20.0
Naphtho[2,3-b]nor...	12.06	46.5	ng	2060250	4	11.44	886554	20.0
1H-Cyclopropa[l]p...	12.08	23.1	ng	1022960	4	11.44	886554	20.0
Tricyclo[8.2.2.2(...	12.24	13.6	ng	600858	4	11.44	886554	20.0
9,10-Anthracenedione	12.27	19.4	ng	860429	4	11.44	886554	20.0
di-p-Tolylacetylene	12.42	10.5	ng	465434	4	11.44	886554	20.0
Phenanthrene, 1,7...	12.45	12.1	ng	537153	4	11.44	886554	20.0
Phenanthrene, 2,5...	12.50	48.3	ng	2140610	4	11.44	886554	20.0
Phenanthrene, 3,6...	12.53	22.6	ng	1001940	4	11.44	886554	20.0
9,10-Dimethylanth...	12.59	24.3	ng	1076730	4	11.44	886554	20.0
Pyrene, 1-methyl-	13.11	11.4	ng	1476550	5	14.10	2590200	20.0
4,12-Dimethylbenz...	14.92	12.8	ng	311980	6	15.60	485989	20.0
3-Methylcholanthrene	15.06	14.3	ng	346410	6	15.60	485989	20.0
Benzo[e]pyrene	15.47	29.3	ng	711930	6	15.60	485989	20.0