LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121118\
Data File : BF111295.D
Acq On : 12 Dec 2018 00:12
Operator : JU/SJ
Sample : J6148-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-MH-J

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-BF120818.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	4.998	490	495	502	rVB	358712	441177	5.38%	0.317%
2	5.410	561	565	568	rBV	5580094	5400558	65.82%	3.885%
3	5.628	599	602	611	rBV	188508	214032	2.61%	0.154%
4	6.428	733	738	750	rBV	5886777	6140828	74.84%	4.417%
5	6.563	757	761	765	rBV	6118398	5669803	69.10%	4.078%
6	6.628	769	772	777	rVV	250806	289025	3.52%	0.208%
7	6.793	797	800	804	rBV	1930034	1609072	19.61%	1.157%
8	6.951	823	827	830	rBV	5186903	4278290	52.14%	3.077%
9	7.057	840	845	852	rBV	255687	296279	3.61%	0.213%
10	7.351	889	895	898	rBV	4058018	3784299	46.12%	2.722%
11	7.651	944	946	953	rVB	241304	217930	2.66%	0.157%
12	8.075	1014	1018	1021	rBV	2574739	2206957	26.90%	1.588%
13	8.351	1062	1065	1068	rBV	215853	178073	2.17%	0.128%
14	8.787	1135	1139	1143	rBV2	357965	360707	4.40%	0.259%
15	8.886	1153	1156	1160	rVB	286780	231749	2.82%	0.167%
16	9.157	1197	1202	1205	rBV	5808773	5472309	66.69%	3.936%
17	9.492	1255	1259	1261	rBV	272664	281136	3.43%	0.202%
18	9.551	1265	1269	1274	rVB2	772989	917190	11.18%	0.660%
19	9.686	1289	1292	1296	rBV	1370901	1277244	15.57%	0.919%
20	9.828	1310	1316	1320	rBV	2261196	2269236	27.66%	1.632%
21	9.863	1320	1322	1326	rVB2	296986	227642	2.77%	0.164%
22	10.033	1348	1351	1355	rVV2	297053	269308	3.28%	0.194%
23	10.139	1366	1369	1374	rBV2	279067	383108	4.67%	0.276%
24	10.281	1390	1393	1396	rVB2	242586	225258	2.75%	0.162%
25	10.375	1406	1409	1416	rVB	406158	485604	5.92%	0.349%
26	10.439	1416	1420	1422	rBV2	151834	183882	2.24%	0.132%
27	10.486	1425	1428	1433	rVB2	178802	204259	2.49%	0.147%
28	10.616	1445	1450	1454	rBV	3857761	3331611	40.60%	2.397%
29	10.739	1468	1471	1478	rVB3	259110	356880	4.35%	0.257%
30	10.928	1498	1503	1505	rVV4	316079	402749	4.91%	0.290%
31	11.075	1526	1528	1532	rVV2	217437	253471	3.09%	0.182%
32	11.116	1532	1535	1540	rVB2	242744	297426	3.62%	0.214%
33	11.210	1546	1551	1556	rVB2	235796	348497	4.25%	0.251%
34	11.316	1565	1569	1571	rBV	2131253	2108146	25.69%	1.516%

LSC Area Percent Report

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Data File : BF111295.D
Acq On : 12 Dec 2018 00:12
Operator : JU/SJ
Sample : J6148-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-MH-J

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-BF120818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.339	1571	1573	1576	rVV	3544868	2663450	32.46%	1.916%
36	11.386	1578	1581	1584	rVV	966610	768673	9.37%	0.553%
37	11.428	1584	1588	1591	rVV2	222504	256399	3.12%	0.184%
38	11.539	1602	1607	1610	rBV	422111	448648	5.47%	0.323%
39	11.616	1617	1620	1622	rVB2	200826	177854	2.17%	0.128%
40	11.645	1622	1625	1628	rVB	336589	278988	3.40%	0.201%
41	11.727	1636	1639	1643	rVB	190863	218941	2.67%	0.157%
42	11.769	1643	1646	1649	rBV3	170687	207960	2.53%	0.150%
43	11.816	1651	1654	1656	rBV	1140275	976347	11.90%	0.702%
44	11.851	1656	1660	1664	rVV2	2478181	3230009	39.36%	2.323%
45	11.886	1664	1666	1669	rVV2	421605	456306	5.56%	0.328%
46	11.927	1669	1673	1675	rVV	1570346	1637609	19.96%	1.178%
47	11.951	1675	1677	1680	rVB	928460	692758	8.44%	0.498%
48	12.110	1702	1704	1706	rVV	642669	581295	7.08%	0.418%
49	12.127	1706	1707	1712	rVB2	416210	406666	4.96%	0.293%
50	12.263	1728	1730	1733	rVV2	290727	250951	3.06%	0.181%
51	12.292	1733	1735	1737	rVV	309623	225517	2.75%	0.162%
52	12.316	1737	1739	1742	rVB	284372	225077	2.74%	0.162%
53	12.369	1744	1748	1751	rBV2	962987	1012817	12.34%	0.729%
54	12.404	1751	1754	1756	rVV	494121	531398	6.48%	0.382%
55	12.451	1759	1762	1767	rVB3	618306	737379	8.99%	0.530%
56	12.527	1771	1775	1779	rBV	4754562	4680199	57.04%	3.367%
57	12.574	1779	1783	1785	rBV	275432	282870	3.45%	0.203%
58	12.639	1788	1794	1799	rBV3	1705482	2081098	25.36%	1.497%
59	12.763	1809	1815	1818	rBV	5372693	6129792	74.70%	4.409%
60	12.874	1831	1834	1835	rBV	321329	265519	3.24%	0.191%
61	12.904	1835	1839	1846	rVB	4254406	4184484	51.00%	3.010%
62	12.974	1847	1851	1854	rBV2	761416	955101	11.64%	0.687%
63	13.063	1863	1866	1867	rVV2	673533	684921	8.35%	0.493%
64	13.086	1867	1870	1873	rVB	1045044	1102818	13.44%	0.793%
65	13.151	1878	1881	1884	rVB	681958	518157	6.31%	0.373%
66	13.186	1884	1887	1890	rBV2	1074906	999355	12.18%	0.719%
67	13.245	1895	1897	1900	rBV3	143243	190428	2.32%	0.137%
68	13.280	1900	1903	1906	rVV	916419	812676	9.90%	0.585%
69	13.310	1906	1908	1912	rVB	836045	709374	8.65%	0.510%
70	13.386	1917	1921	1924	rBV	8635237	8205369	100.00%	5.902%
71	13.492	1936	1939	1940	rBV3	193065	181984	2.22%	0.131%

LSC Area Percent Report

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Acq On : 12 Dec 2018 00:12
Operator : JU/SJ
Sample : J6148-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-MH-J

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-BF120818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.586	1950	1955	1961	rVB2	837351	1235715	15.06%	0.889%
73	13.698	1970	1974	1978	rBV2	759178	1112462	13.56%	0.800%
74	13.733	1978	1980	1982	rBV	583464	396640	4.83%	0.285%
75	13.757	1982	1984	1988	rVB2	578339	540066	6.58%	0.388%
76	13.798	1988	1991	1992	rBV2	557172	507654	6.19%	0.365%
77	13.845	1997	1999	2002	rVB	560983	503018	6.13%	0.362%
78	13.951	2010	2017	2020	rBV2	4073548	6288910	76.64%	4.524%
79	13.986	2020	2023	2027	rVB	3246267	3476161	42.36%	2.500%
80	14.098	2039	2042	2046	rVB3	585025	754915	9.20%	0.543%
81	14.169	2051	2054	2057	rVV2	724341	874828	10.66%	0.629%
82	14.204	2058	2060	2068	rVB4	596169	867088	10.57%	0.624%
83	14.304	2075	2077	2079	rBV2	554103	616384	7.51%	0.443%
84	14.345	2081	2084	2087	rVV	1230611	1450646	17.68%	1.043%
85	14.374	2087	2089	2092	rVB2	781398	694256	8.46%	0.499%
86	14.439	2097	2100	2102	rVV4	585130	850388	10.36%	0.612%
87	14.463	2102	2104	2107	rVV	682154	837642	10.21%	0.603%
88	14.486	2107	2108	2112	rVB3	497176	346239	4.22%	0.249%
89	14.639	2131	2134	2136	rBV	268149	314204	3.83%	0.226%
90	14.739	2149	2151	2157	rVB3	273245	360350	4.39%	0.259%
91	14.892	2174	2177	2180	rVB	292483	295611	3.60%	0.213%
92	14.986	2188	2193	2200	rBV	2930252	6036008	73.56%	4.342%
93	15.086	2207	2210	2214	rVB	833925	835700	10.18%	0.601%
94	15.280	2238	2243	2248	rVB	1928301	2497694	30.44%	1.797%
95	15.339	2248	2253	2258	rBV	2346509	2942684	35.86%	2.117%
96	15.398	2259	2263	2266	rVV	1254657	1602819	19.53%	1.153%
97	15.427	2266	2268	2275	rVB2	688192	980543	11.95%	0.705%
98	16.810	2497	2503	2509	rBV2	864646	1608237	19.60%	1.157%
99	17.033	2538	2541	2545	rBV3	149606	221001	2.69%	0.159%
100	17.239	2570	2576	2587	rVB	669820	1388918	16.93%	0.999%

Sum of corrected areas: 139019703

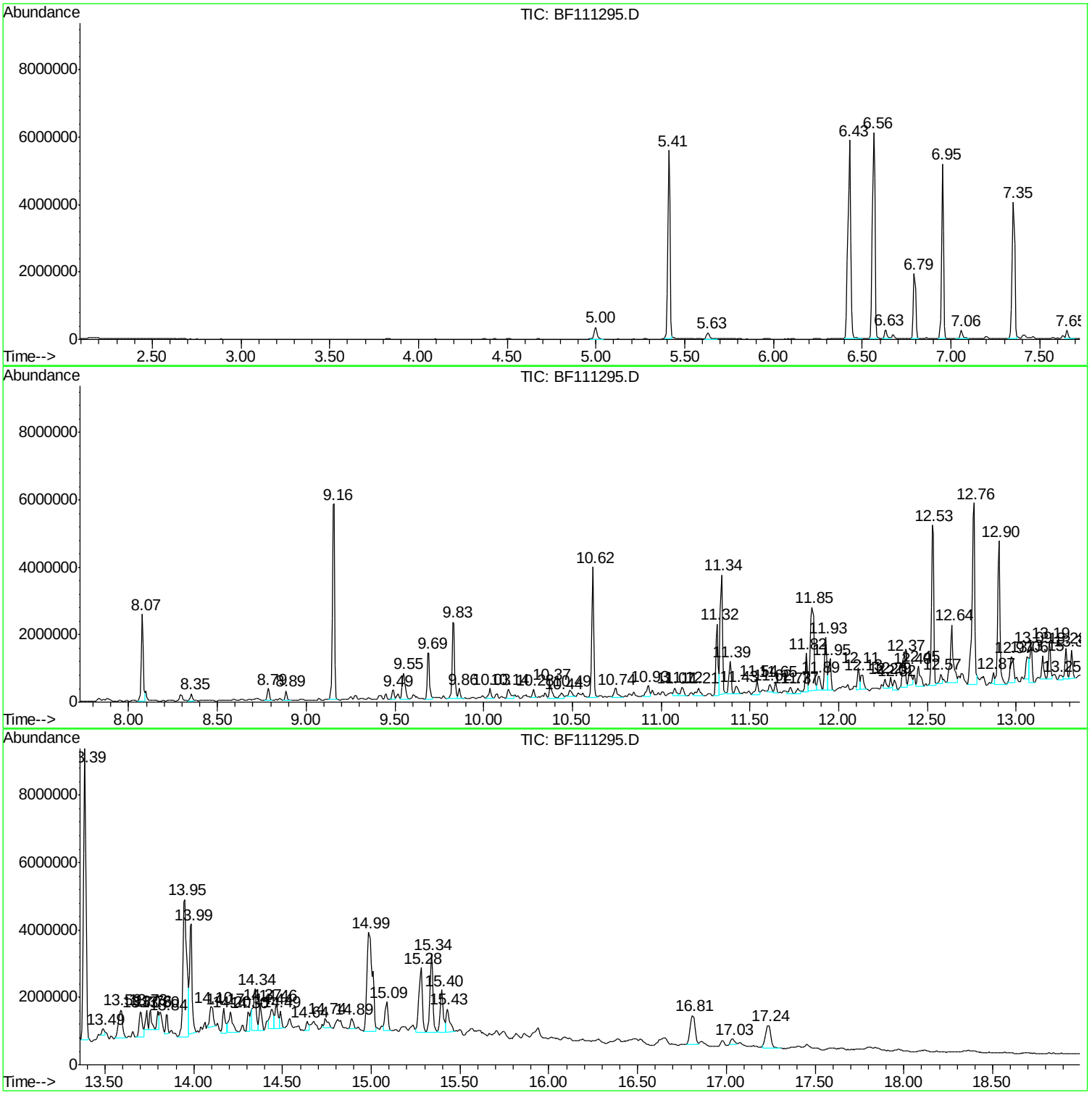
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121118\
Data File : BF111295.D
Acq On : 12 Dec 2018 00:12
Operator : JU/SJ
Sample : J6148-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-MH-J

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.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\BF121118\
Data File : BF111295.D
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Sample : J6148-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-MH-J

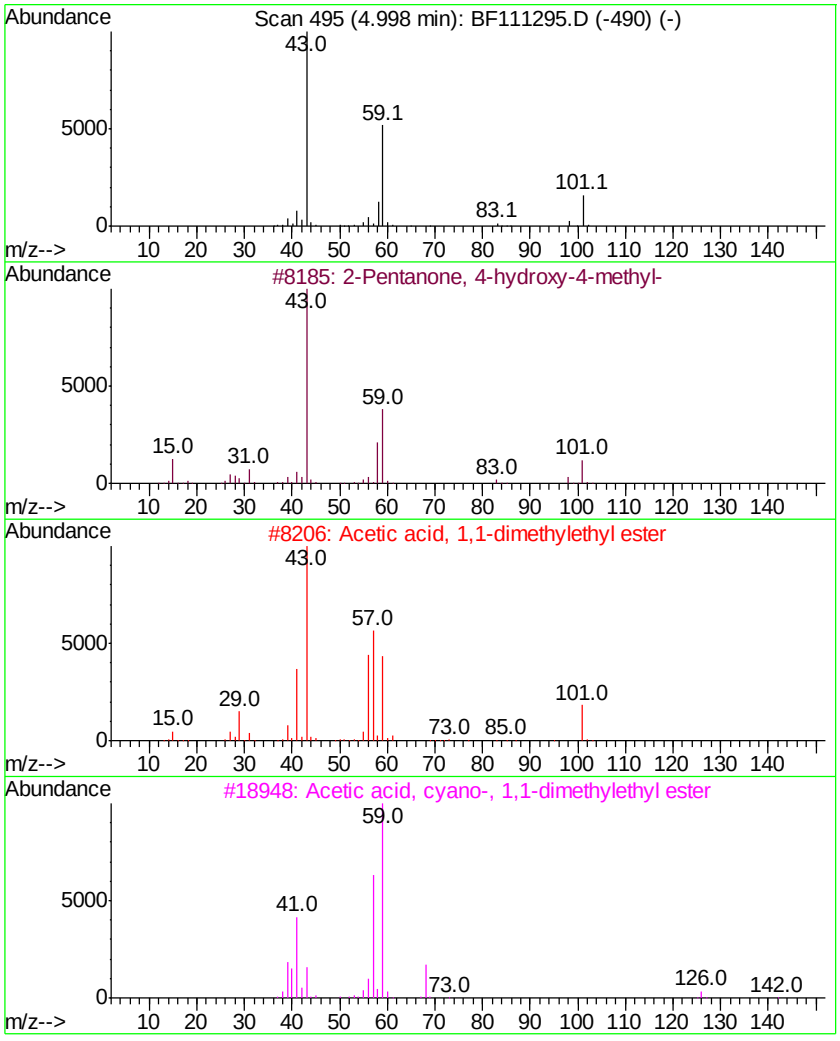
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

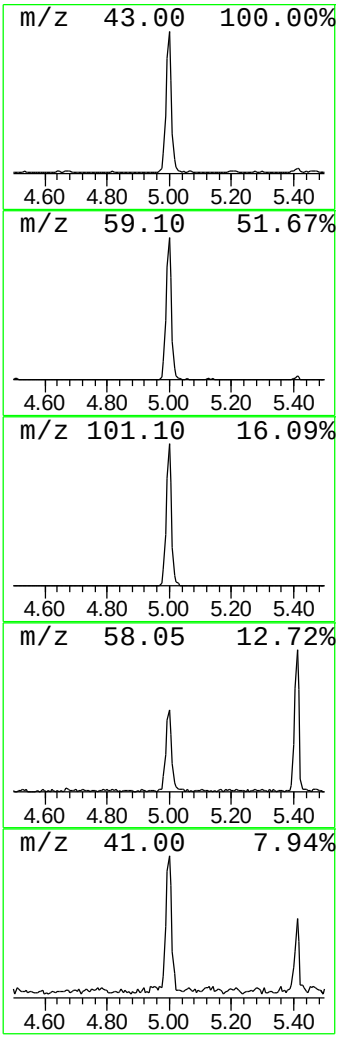
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.00	5.48 ng	441177	1,4-Dichlorobenzene-d4	6.79

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, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Formamide, N,N-diethyl-	101	C5H11NO	000617-84-5	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121118\
Data File : BF111295.D
Acq On : 12 Dec 2018 00:12
Operator : JU/SJ
Sample : J6148-03
Misc :
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Instrument : BNA_F
ClientSampleId : TP-MH-J

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

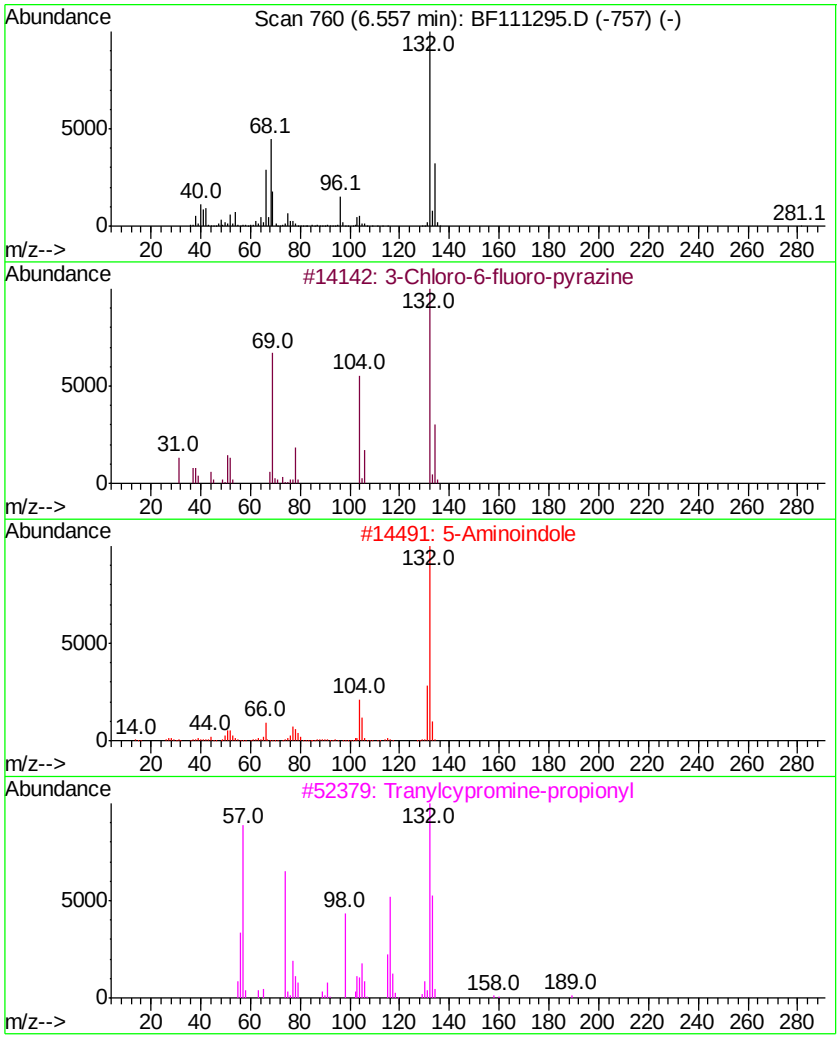
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

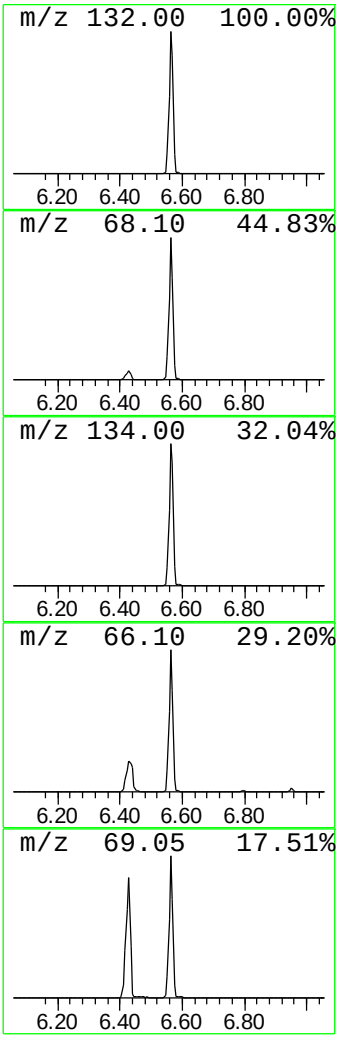
****

Peak Number 2 unknown6.56 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	70.47 ng	5669800	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Library Search Compound Report

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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.M
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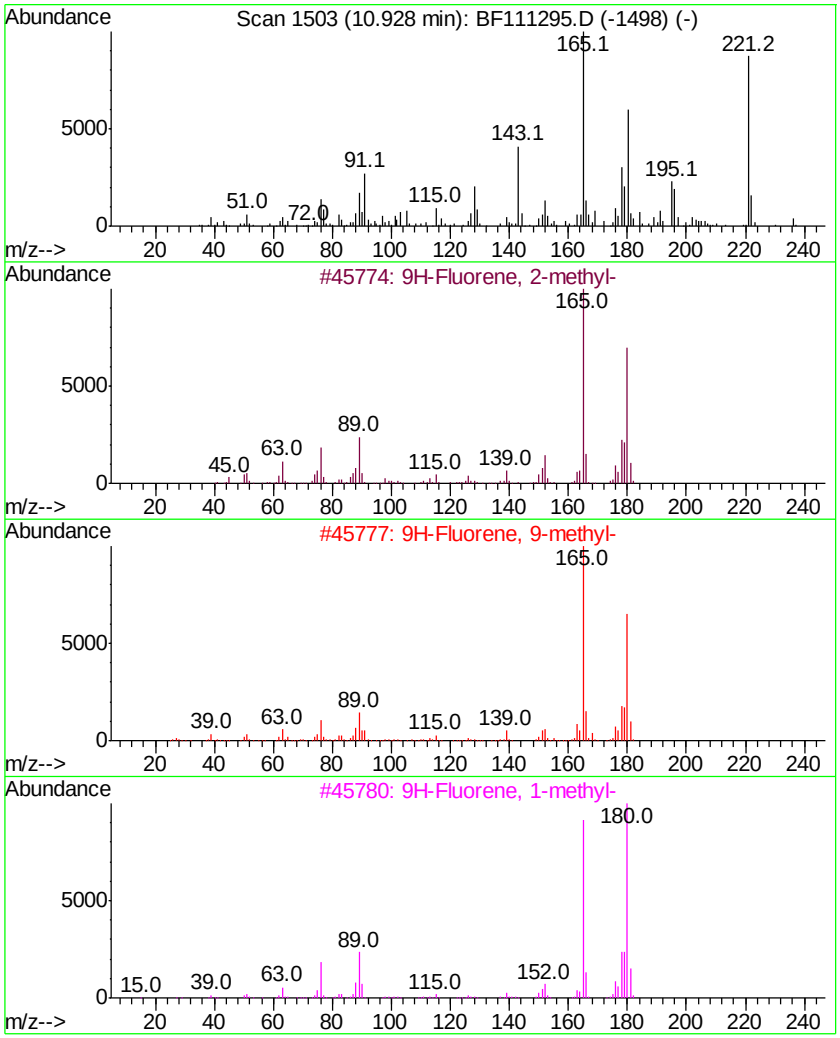
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

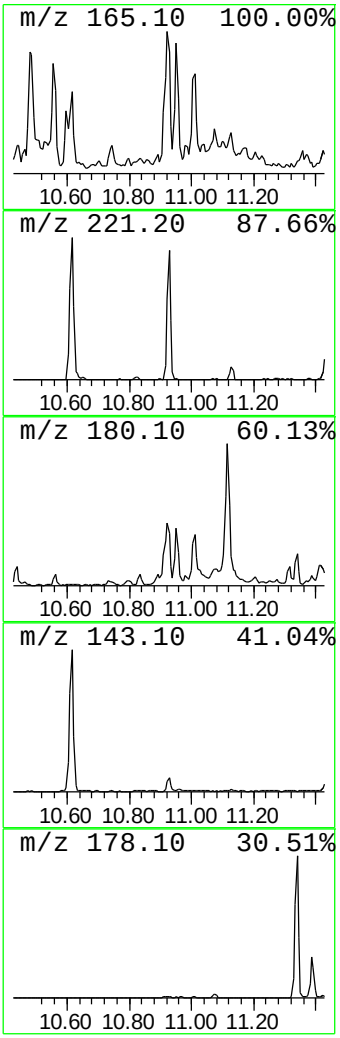
****

Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.93	3.82 ng	402749	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	74
4	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	55
5	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	42





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121118\
Data File : BF111295.D
Acq On : 12 Dec 2018 00:12
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Sample : J6148-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-MH-J

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

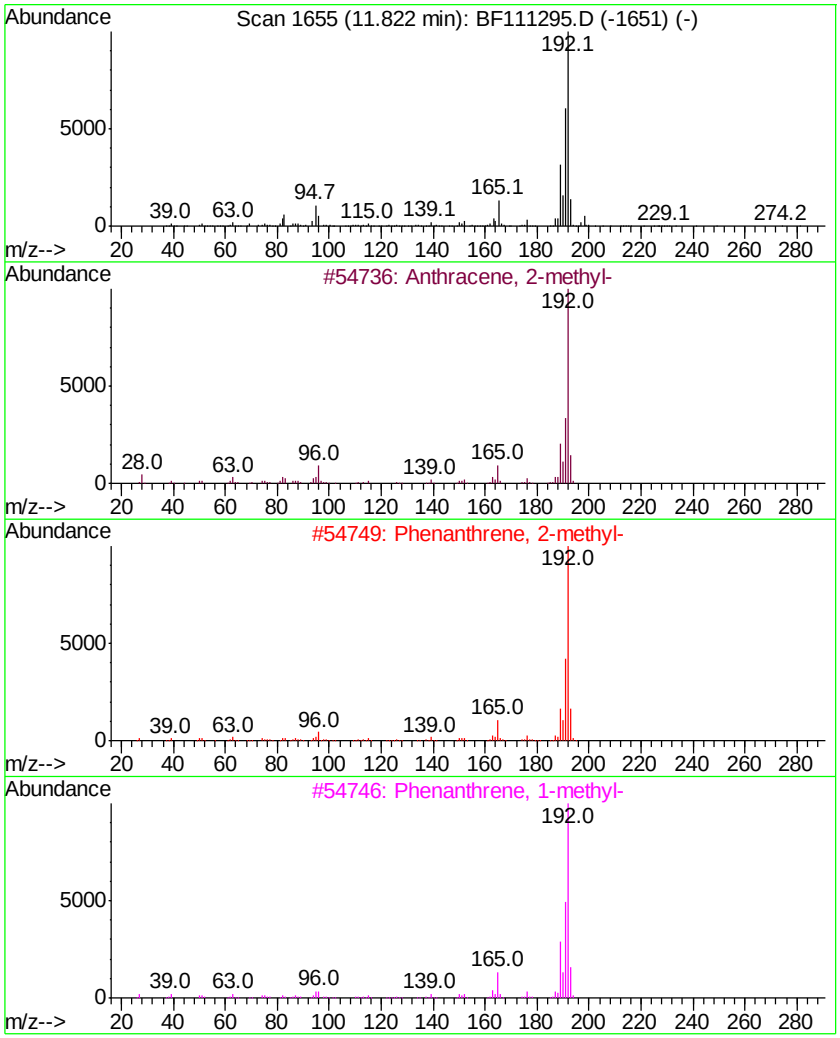
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

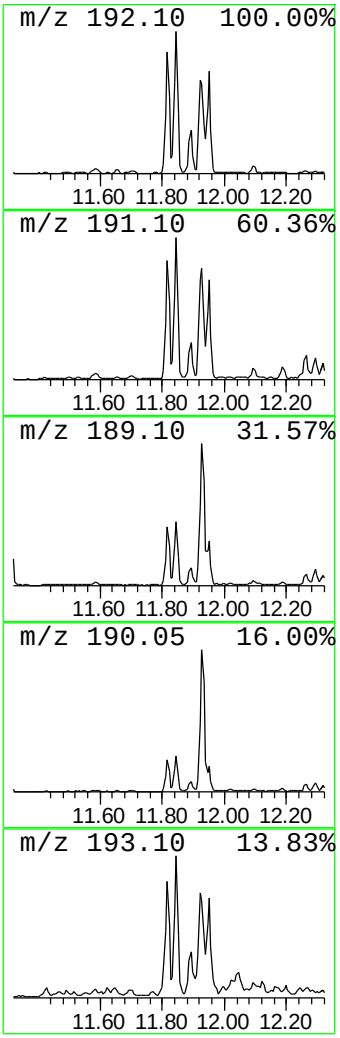
****

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	9.26 ng	976347	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121118\
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Acq On : 12 Dec 2018 00:12
Operator : JU/SJ
Sample : J6148-03
Misc :
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Instrument : BNA_F
ClientSampleId : TP-MH-J

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

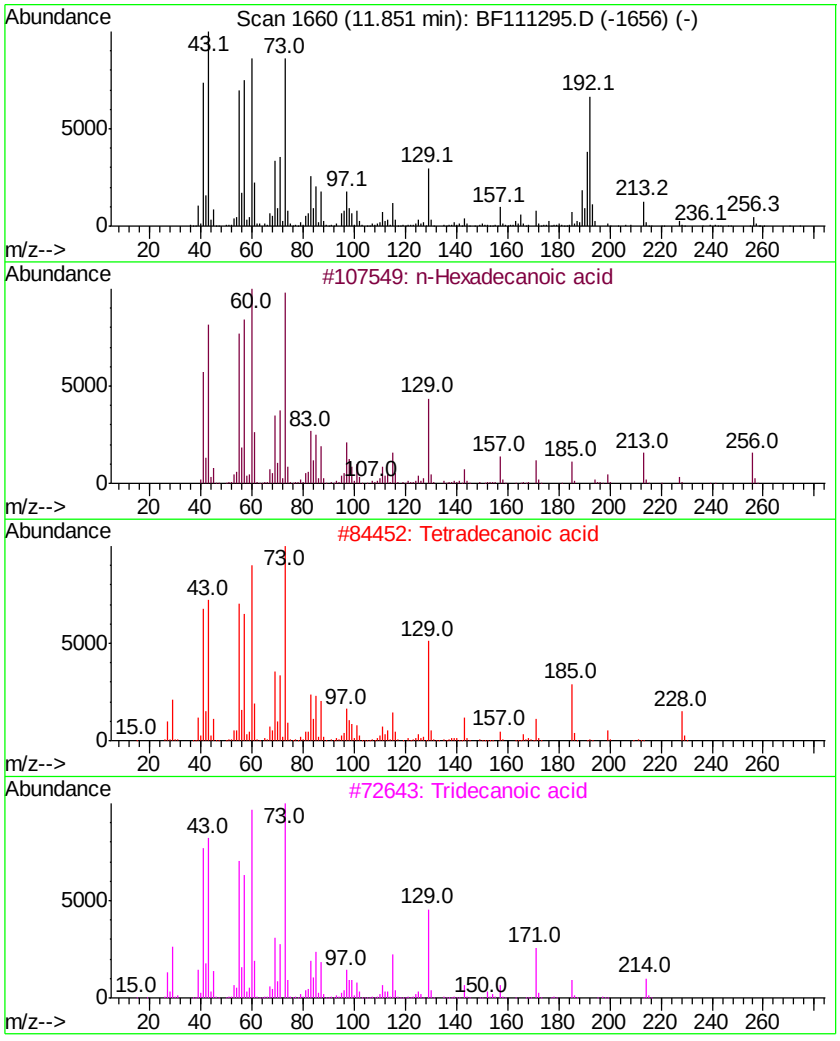
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

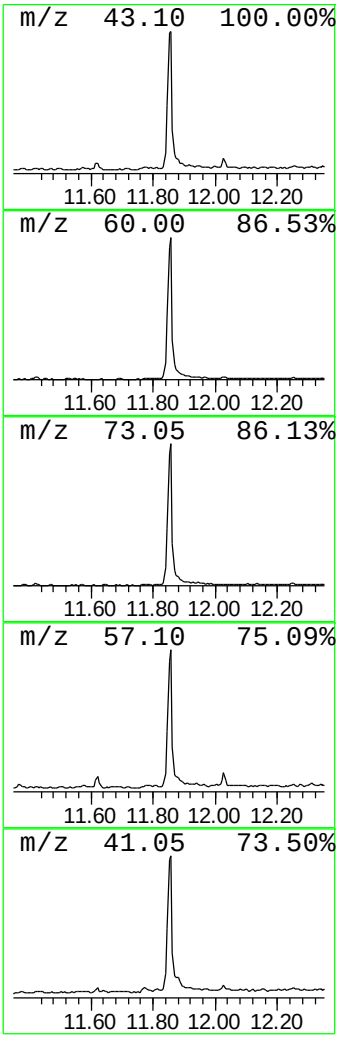
****

Peak Number 6 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	30.64 ng	3230010	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
3	Tridecanoic acid	214	C13H26O2	000638-53-9	90
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	64
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	60





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Acq On : 12 Dec 2018 00:12
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Sample : J6148-03
Misc :
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Instrument : BNA_F
ClientSampleId : TP-MH-J

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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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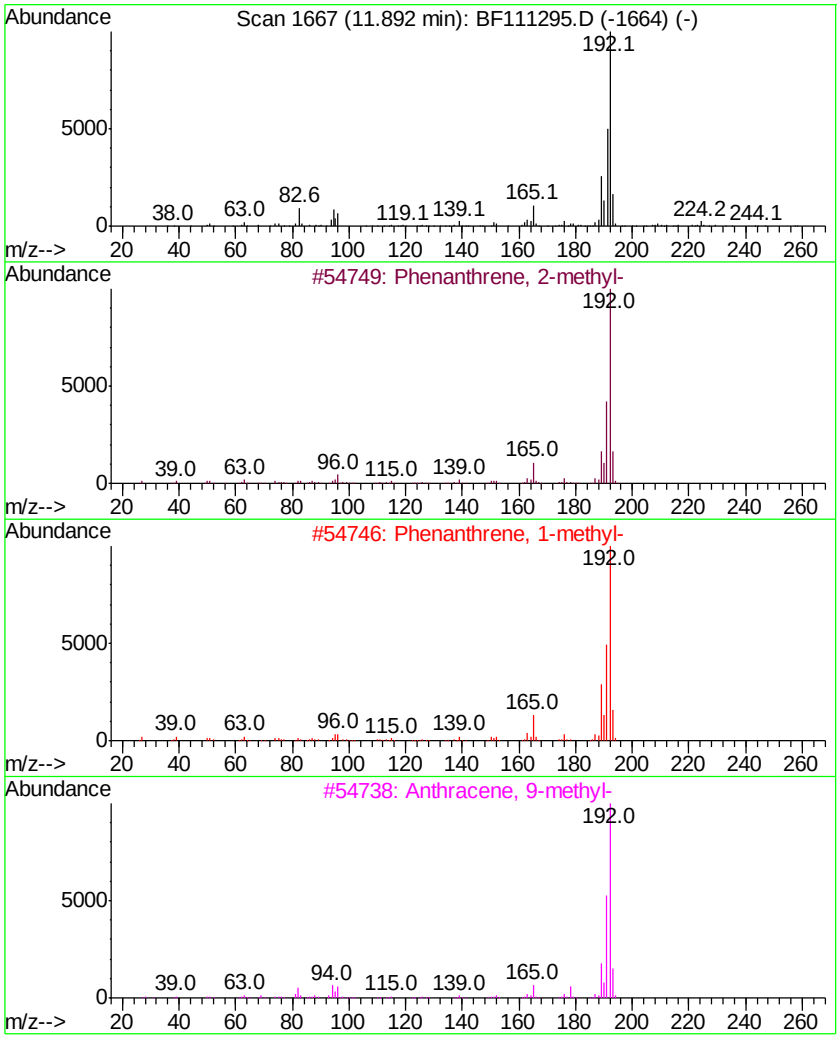
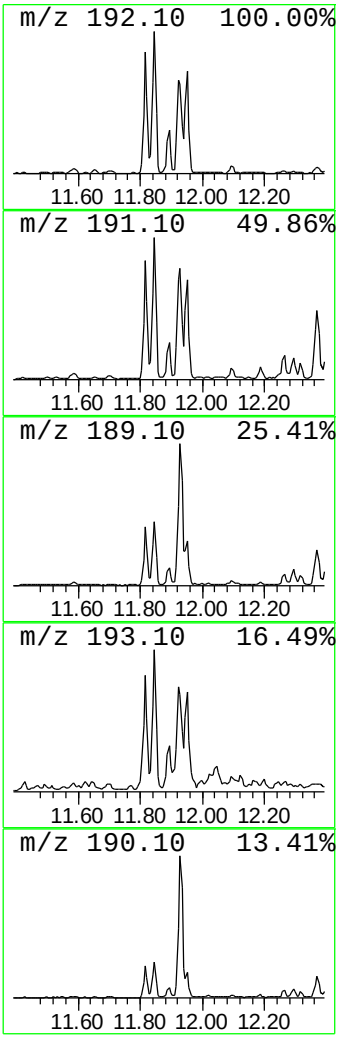
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	4.33 ng	456306	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





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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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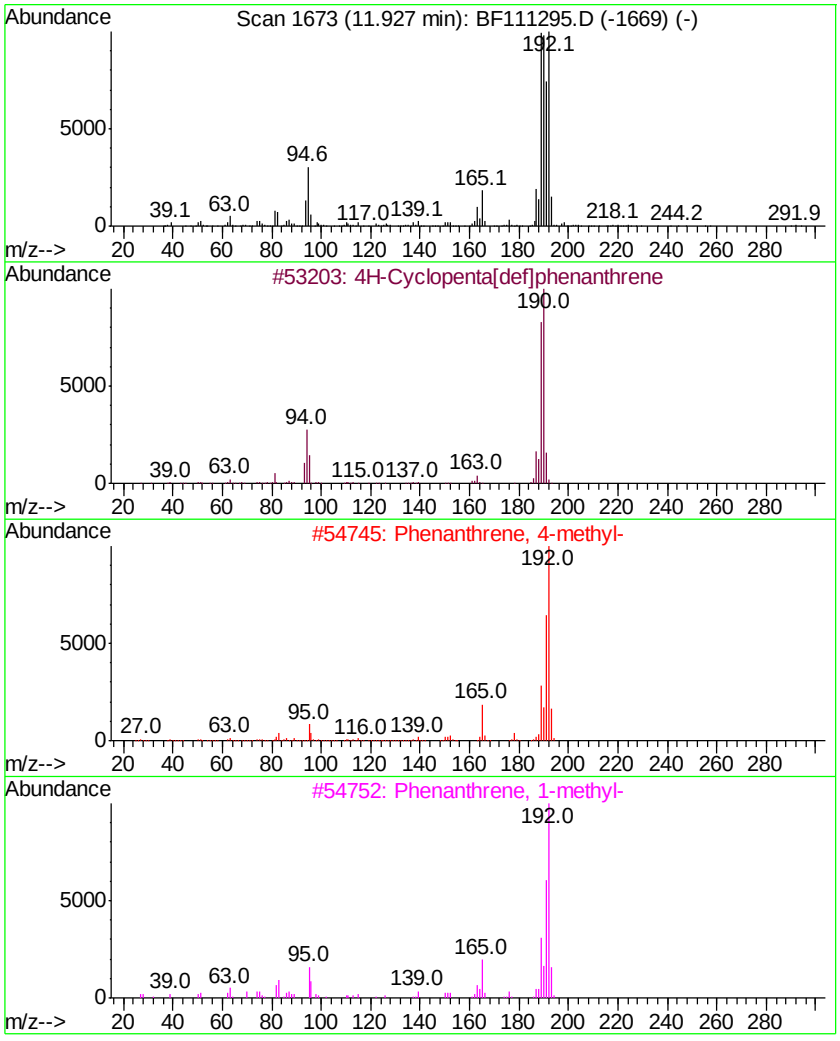
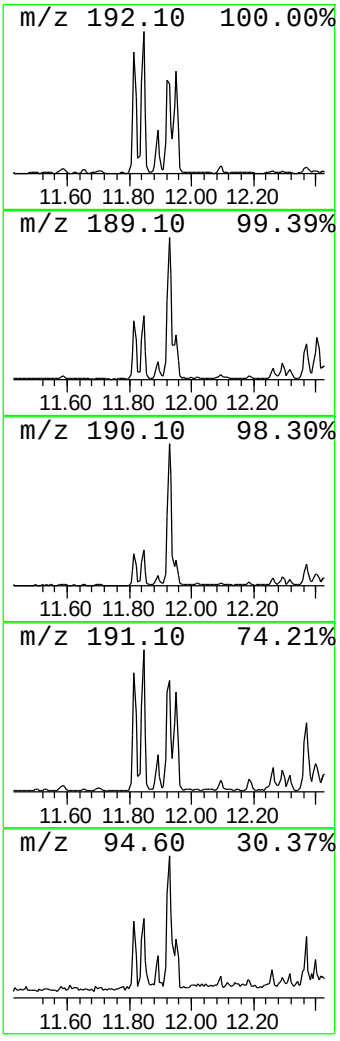
Peak Number 8 unknown11.93 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	15.54 ng	1637610	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	46
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	46
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	41
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	41





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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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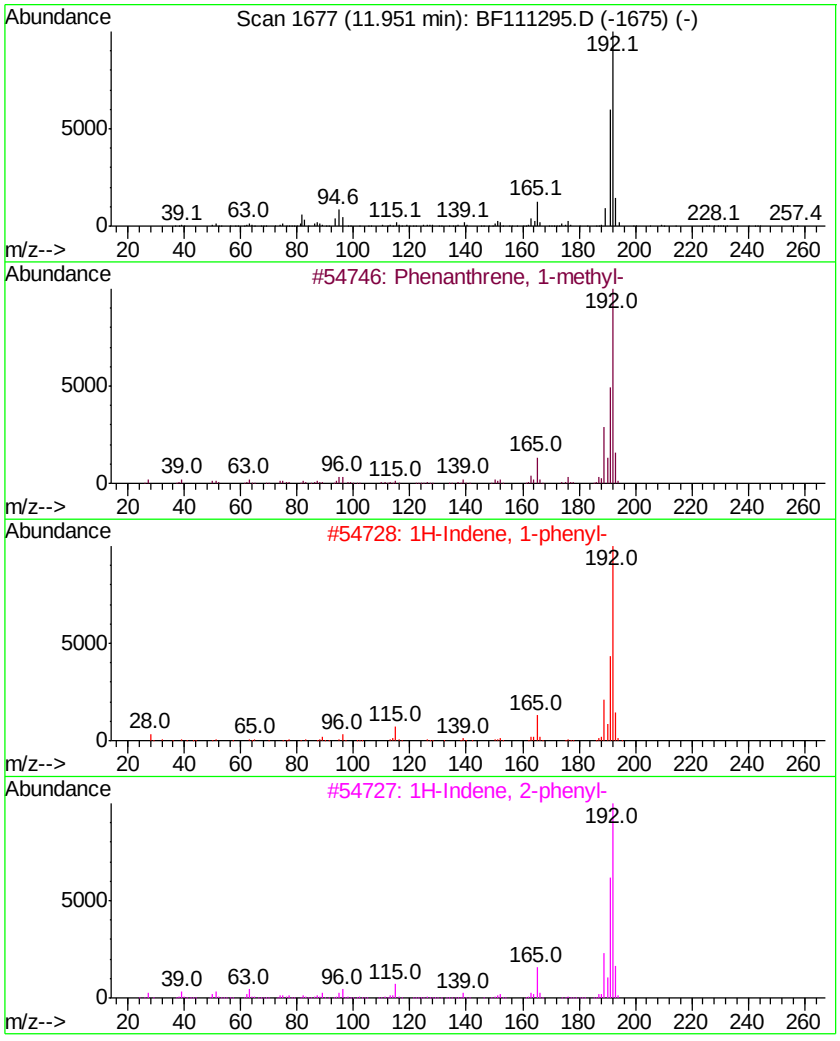
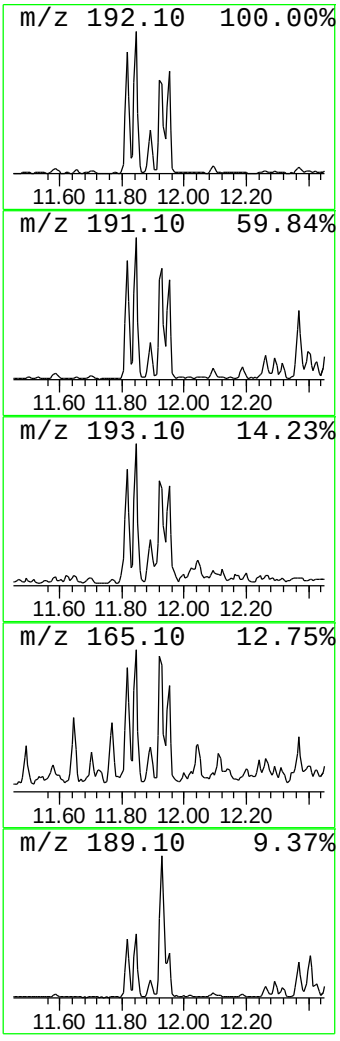
Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	6.57 ng	692758	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	87
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87





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ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId : TP-MH-J

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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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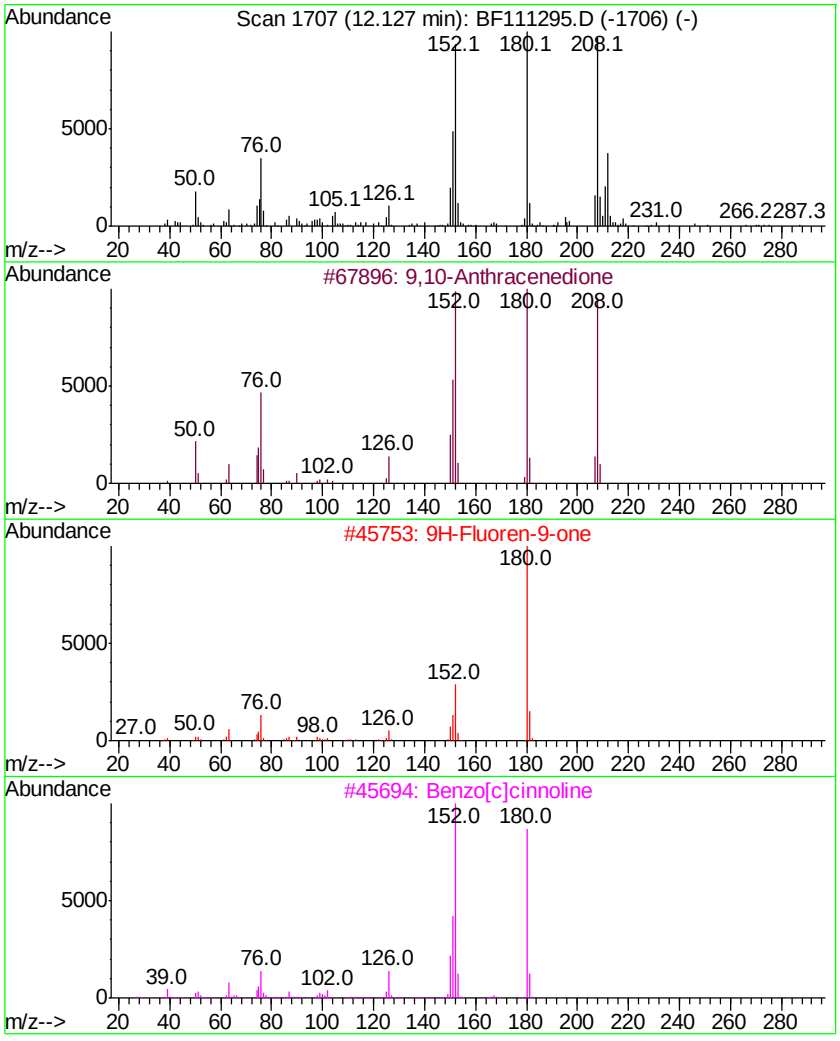
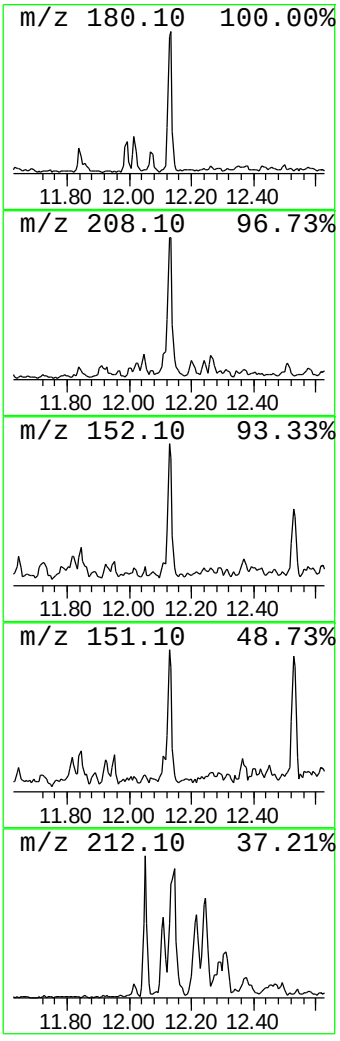
Peak Number 11 9,10-Anthracenedione Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	3.86 ng	406666	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	60
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
4	1,4-Anthracenedione	208	C14H8O2	000635-12-1	53
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	50





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ClientSampleId : TP-MH-J

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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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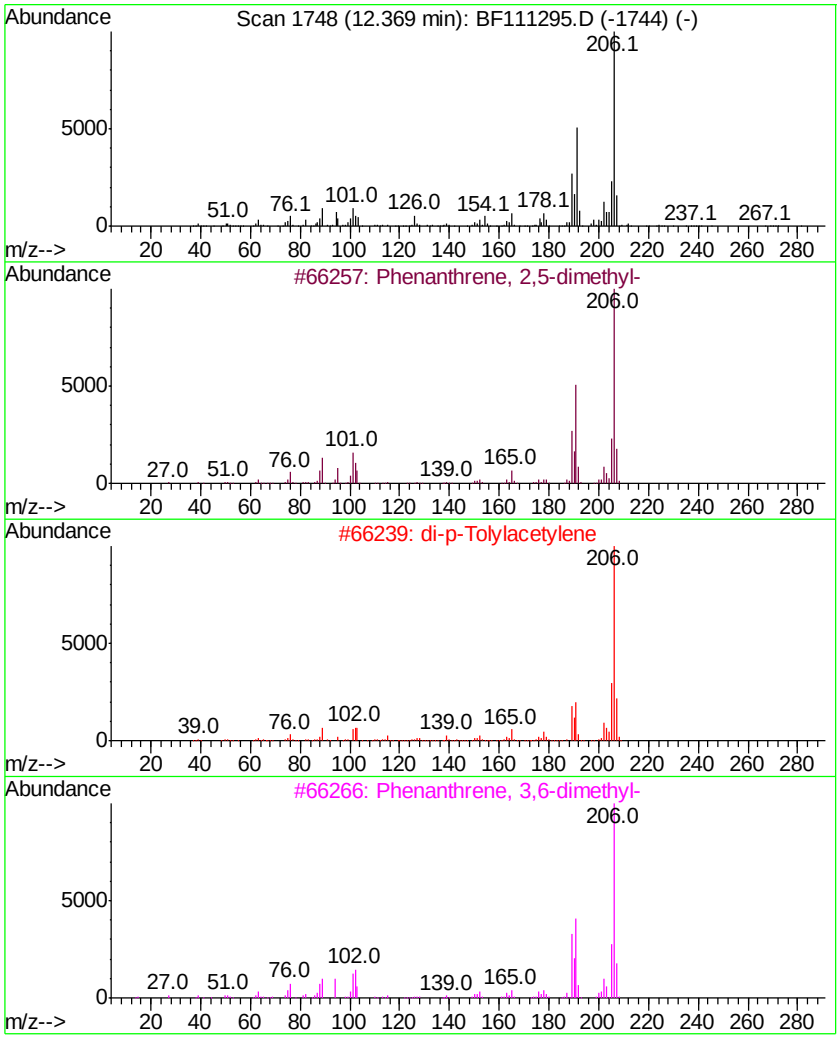
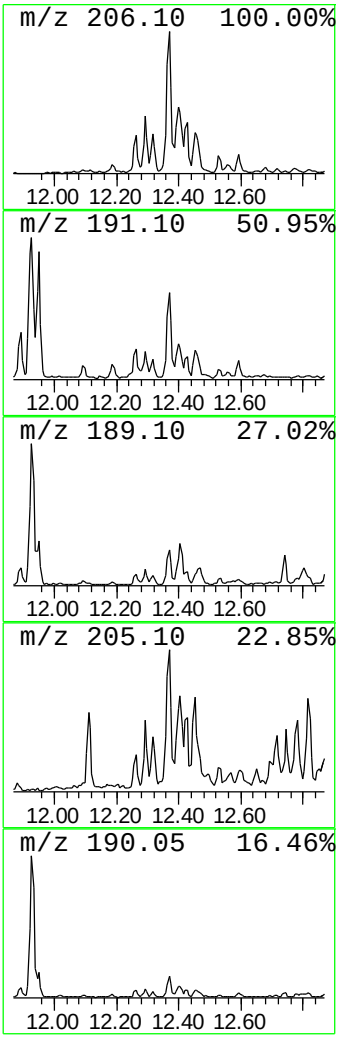
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	9.61 ng	1012820	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	92
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90





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Sample : J6148-03
Misc :
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Instrument : BNA_F
ClientSampleId : TP-MH-J

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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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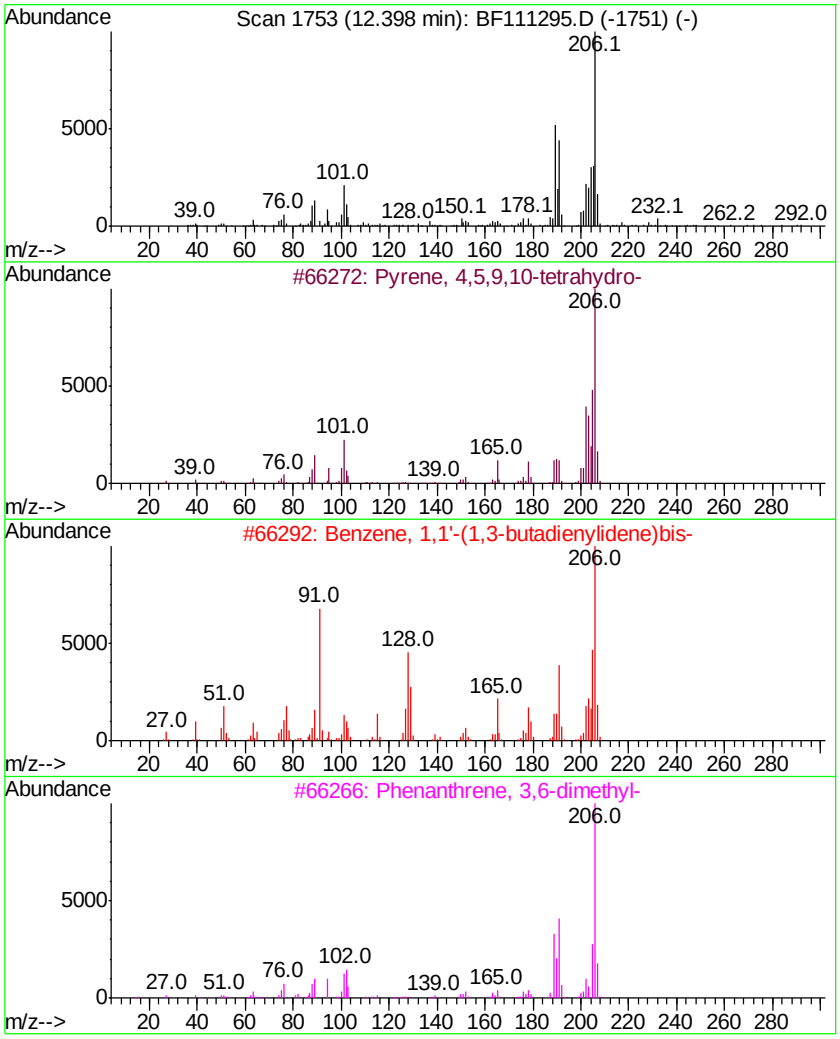
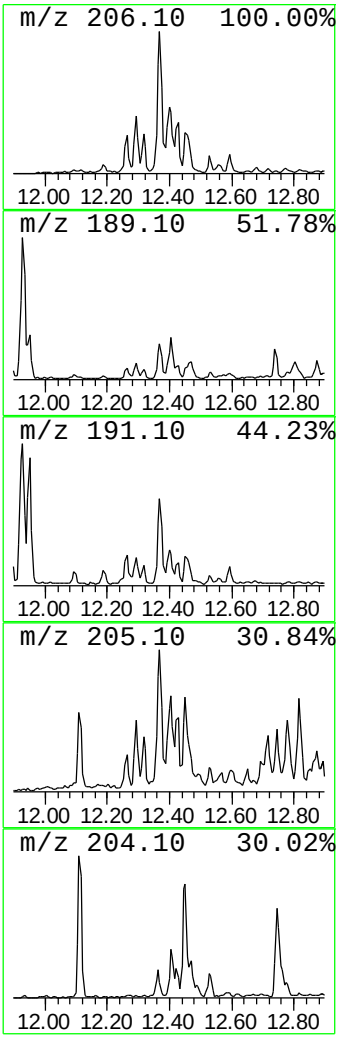
Peak Number 13 unknown12.40 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	5.04 ng	531398	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
2	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	38
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	30
4	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	30
5	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	27





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Instrument : BNA_F
ClientSampleId : TP-MH-J

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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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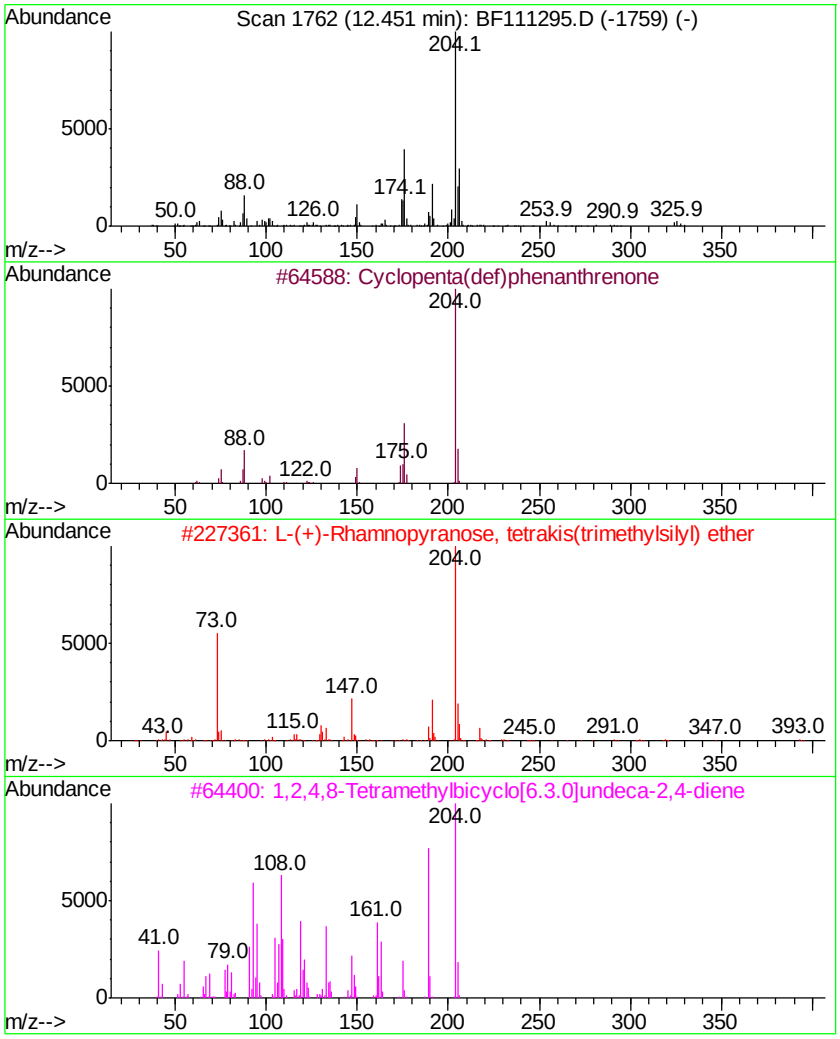
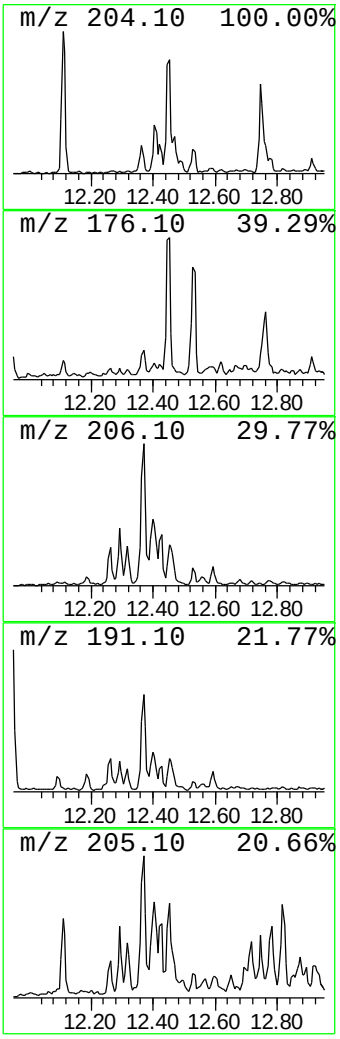
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	7.00 ng	737379	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	43
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	38
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	38





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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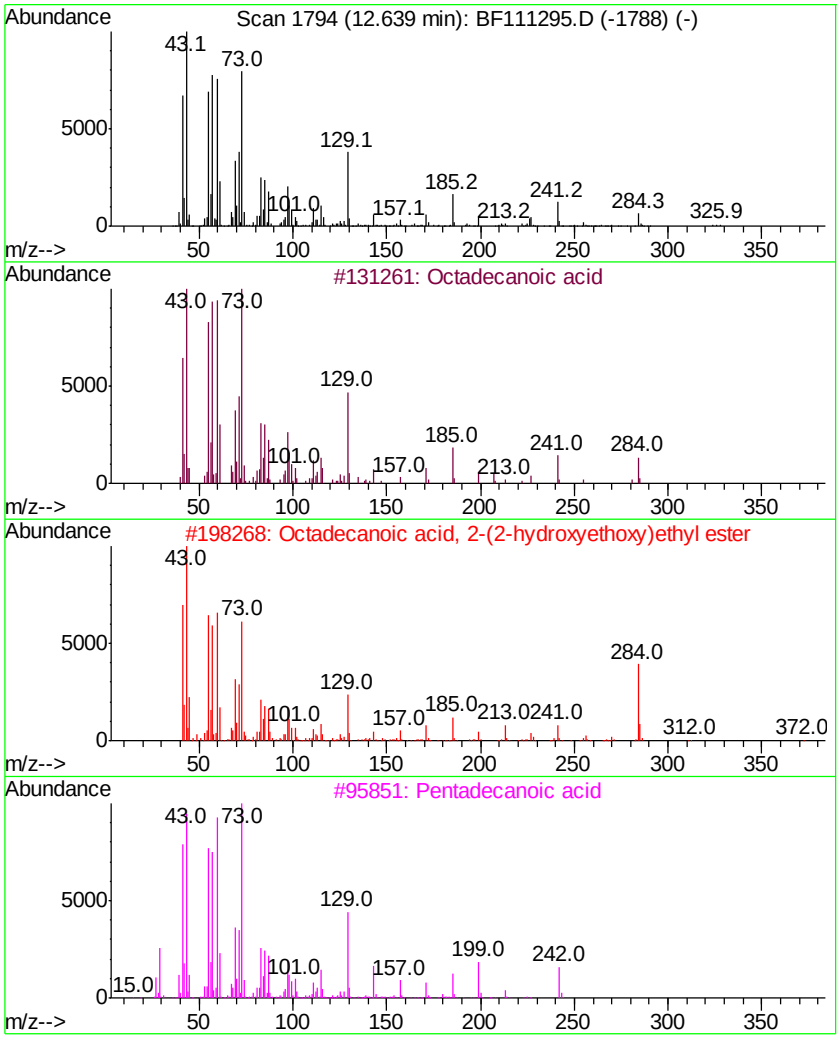
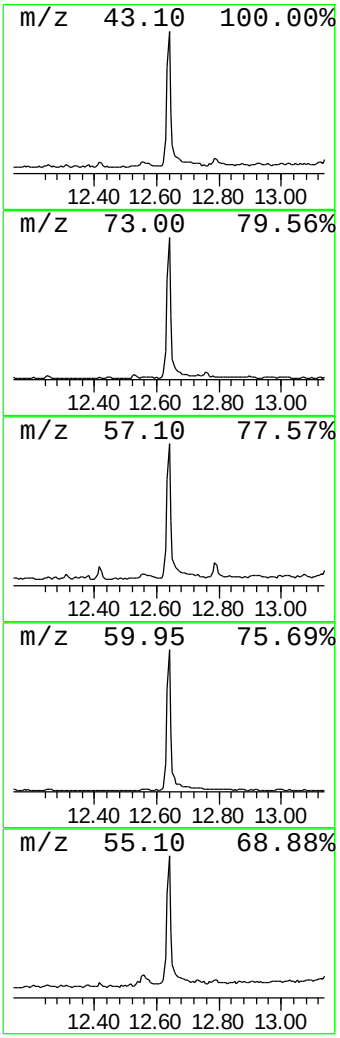
Peak Number 15 Octadecanoic acid Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.64	6.62 ng	2081100	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	91
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	87
5	Undecanoic acid	186	C11H22O2	000112-37-8	74





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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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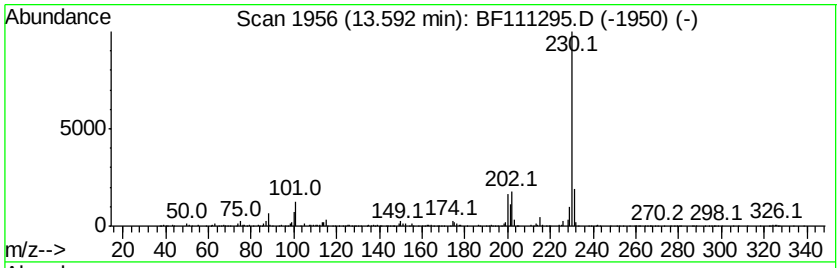
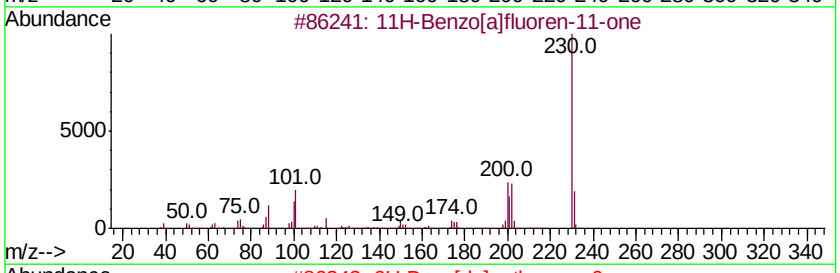
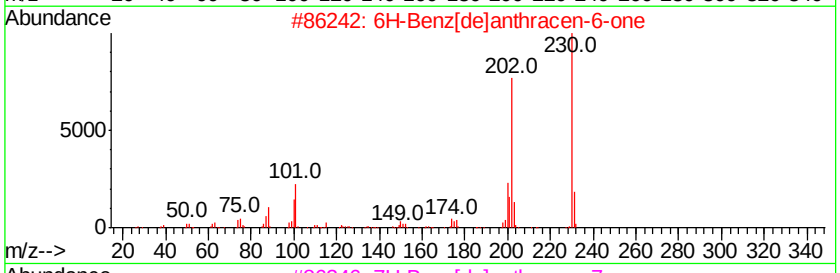
Peak Number 16 11H-Benzo[a]fluoren-11-one Concentration Rank 18

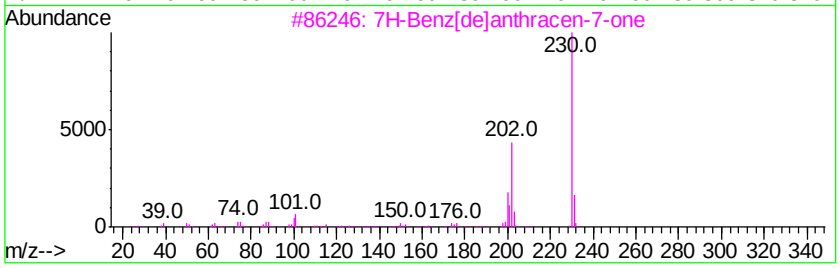
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.59	3.93 ng	1235720	Chrysene-d12	13.96

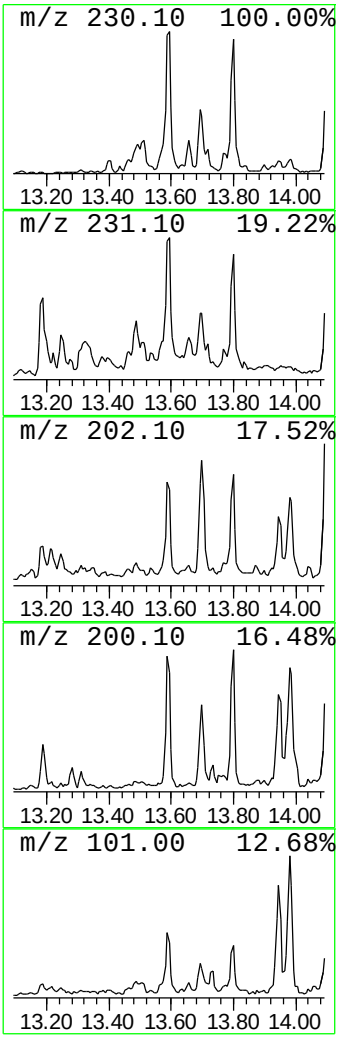
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
4	(E)-.alpha.,.alpha.'-Dicyanostil...	230	C16H10N2	002450-55-7	64
5	o-Terphenyl	230	C18H14	000084-15-1	58











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ClientSampleId : TP-MH-J

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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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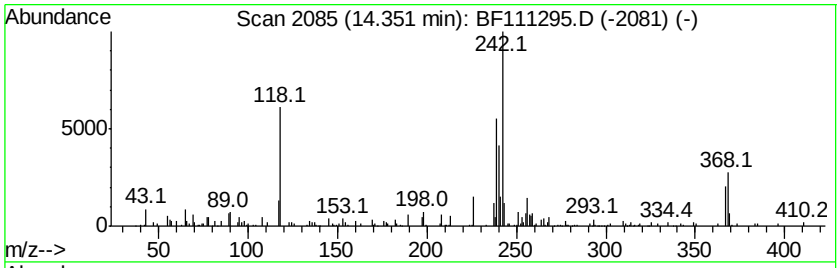
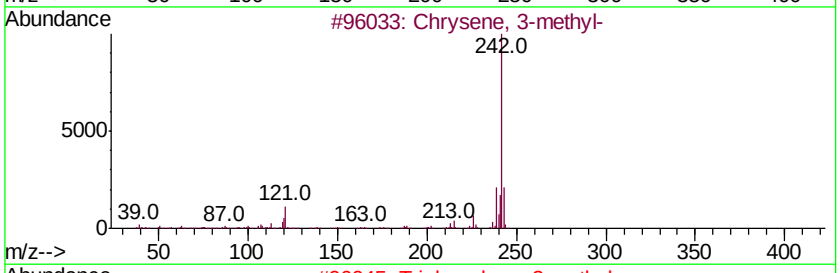
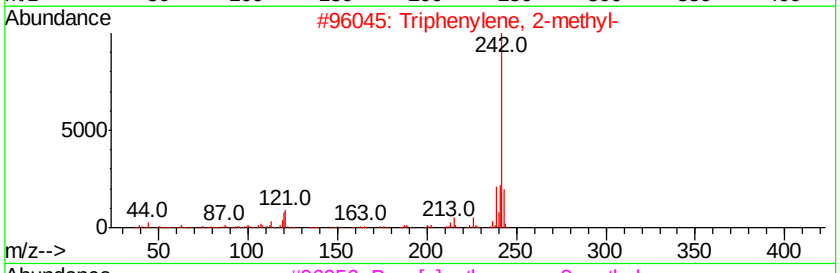
Peak Number 17 Chrysene, 3-methyl- Concentration Rank 15

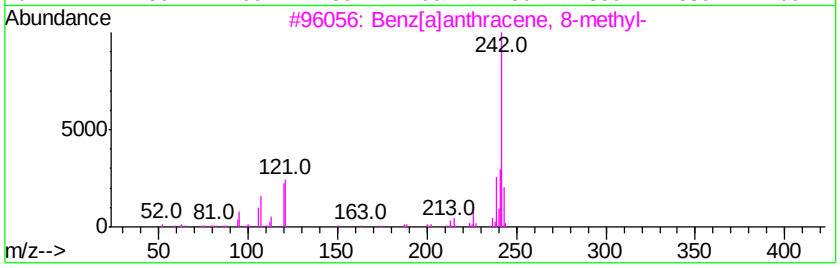
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.35	4.61 ng	1450650	Chrysene-d12	13.96

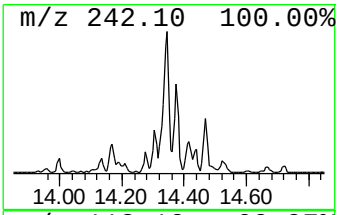
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 3-methyl-	242	C19H14	003351-31-3	92
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	89
3	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	89
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	86
5	Chrysene, 5-methyl-	242	C19H14	003697-24-3	86

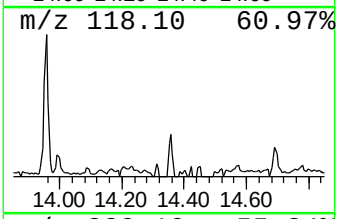


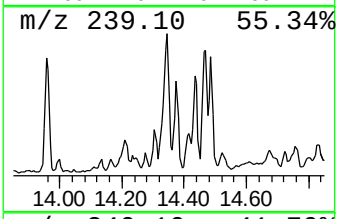


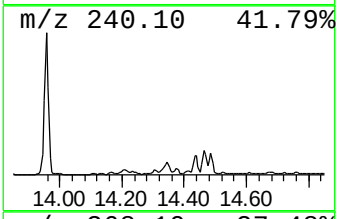


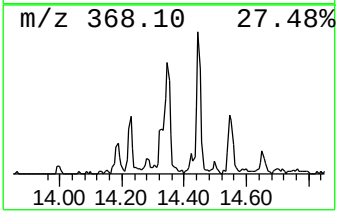












Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121118\
Data File : BF111295.D
Acq On : 12 Dec 2018 00:12
Operator : JU/SJ
Sample : J6148-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-MH-J

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

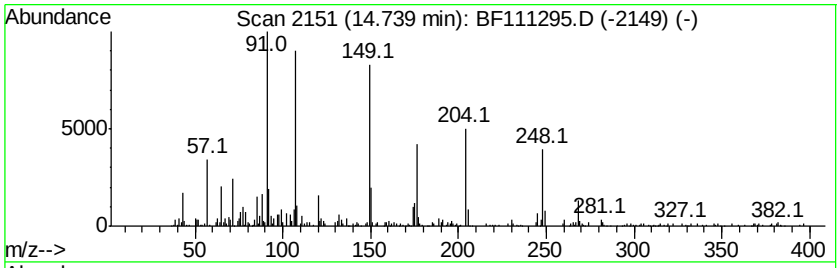
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

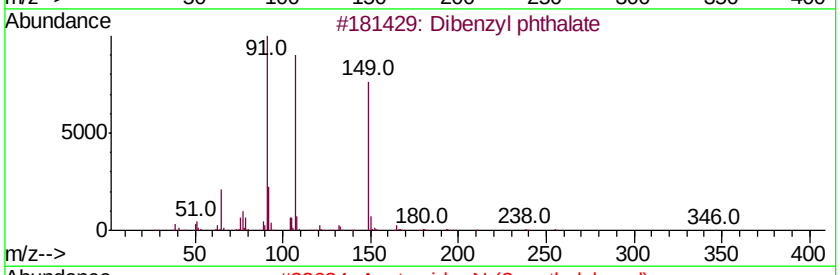
****

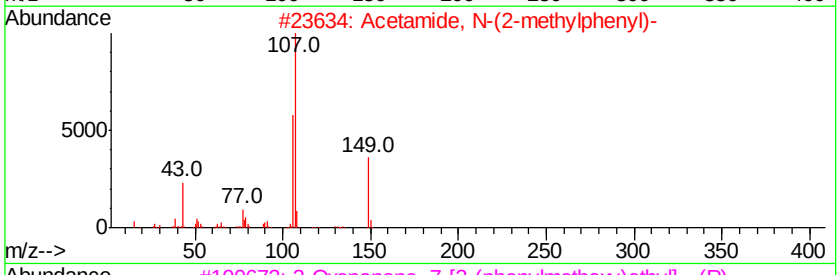
Peak Number 18 Dibenzyl phthalate Concentration Rank 16

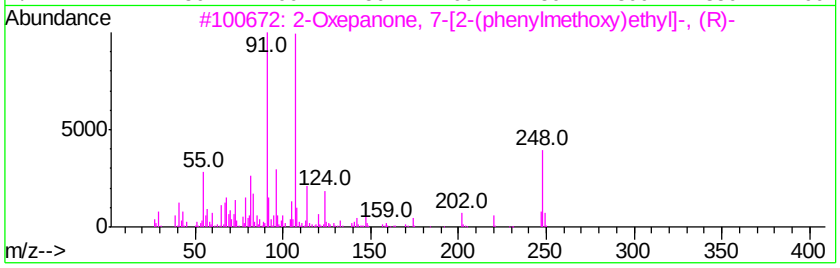
R.T.	EstConc	Area	Relative to ISTD	R.T.
14.74	4.50 ng	360350	Perylene-d12	15.40

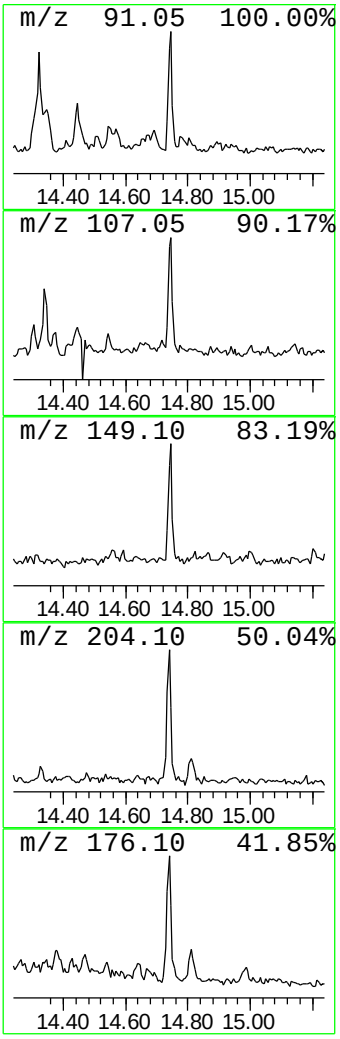
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzyl phthalate	346	C22H18O4	000523-31-9	70
2	Acetamide, N-(2-methylphenyl)-	149	C9H11NO	000120-66-1	38
3	2-Oxepanone, 7-[2-(phenylmethoxy...	248	C15H20O3	134005-34-8	30
4	Cholan-24-oic acid, 3-oxo-, meth...	388	C25H40O3	001173-32-6	25
5	2-(Isopropoxycarbonyl)benzoic acid	208	C11H12O4	1000373-52-4	14











Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121118\
Data File : BF111295.D
Acq On : 12 Dec 2018 00:12
Operator : JU/SJ
Sample : J6148-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-MH-J

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120818.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...	5.00	5.5	ng	441177	1	6.79	1609070	20.0
unknown6.56	6.56	70.5	ng	5669800	1	6.79	1609070	20.0
9H-Fluorene, 2-me...	10.93	3.8	ng	402749	4	11.32	2108150	20.0
Anthracene, 2-met...	11.82	9.3	ng	976347	4	11.32	2108150	20.0
n-Hexadecanoic acid	11.85	30.6	ng	3230010	4	11.32	2108150	20.0
Phenanthrene, 2-m...	11.89	4.3	ng	456306	4	11.32	2108150	20.0
unknown11.93	11.93	15.5	ng	1637610	4	11.32	2108150	20.0
Phenanthrene, 1-m...	11.95	6.6	ng	692758	4	11.32	2108150	20.0
9,10-Anthracenedione	12.13	3.9	ng	406666	4	11.32	2108150	20.0
Phenanthrene, 2,5...	12.37	9.6	ng	1012820	4	11.32	2108150	20.0
unknown12.40	12.40	5.0	ng	531398	4	11.32	2108150	20.0
Cyclopenta(def)ph...	12.45	7.0	ng	737379	4	11.32	2108150	20.0
Octadecanoic acid	12.64	6.6	ng	2081100	5	13.96	6288910	20.0
11H-Benzo[a]fluor...	13.59	3.9	ng	1235720	5	13.96	6288910	20.0
Chrysene, 3-methyl-	14.35	4.6	ng	1450650	5	13.96	6288910	20.0
Dibenzyl phthalate	14.74	4.5	ng	360350	6	15.40	1602820	20.0