LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
Data File : BF099791.D
Acq On : 24 Oct 2017 16:39
Operator : SJ/JU
Sample : I6019-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-02

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.034	497	501	517	rBV	230976	406518	14.41%	1.022%
2	5.434	564	569	592	rBV	2245818	2371392	84.07%	5.959%
3	6.451	737	742	745	rBV	2054394	2389345	84.70%	6.004%
4	6.581	759	764	767	rBV	2537278	2459983	87.21%	6.182%
5	6.804	799	802	809	rBV	646694	537713	19.06%	1.351%
6	6.957	824	828	832	rBV	2016706	1970765	69.86%	4.952%
7	7.375	894	899	902	rBV	1547810	1536310	54.46%	3.861%
8	8.086	1016	1020	1023	rBV	910687	768827	27.26%	1.932%
9	8.645	1111	1115	1118	rBV	114779	101170	3.59%	0.254%
10	9.163	1197	1203	1206	rBV	3022108	2820840	100.00%	7.088%
11	9.498	1256	1260	1263	rBV	40504	39615	1.40%	0.100%
12	9.557	1267	1270	1274	rVV	65450	57742	2.05%	0.145%
13	9.704	1291	1295	1298	rBV2	49586	41676	1.48%	0.105%
14	9.839	1310	1318	1321	rBV	957270	867026	30.74%	2.179%
15	9.875	1321	1324	1327	rVB	161109	129946	4.61%	0.327%
16	10.045	1349	1353	1357	rVV2	84632	92262	3.27%	0.232%
17	10.080	1357	1359	1363	rVB	37836	35656	1.26%	0.090%
18	10.257	1382	1389	1392	rBV4	41398	72251	2.56%	0.182%
19	10.392	1406	1412	1417	rBV	158884	162514	5.76%	0.408%
20	10.475	1424	1426	1428	rVB3	50823	38757	1.37%	0.097%
21	10.557	1436	1440	1444	rVB	505546	434904	15.42%	1.093%
22	10.639	1449	1454	1457	rBV	1620792	1603265	56.84%	4.029%
23	10.733	1467	1470	1475	rBV3	54119	81618	2.89%	0.205%
24	10.939	1498	1505	1507	rBV	87983	115868	4.11%	0.291%
25	10.969	1507	1510	1512	rVV2	60604	59119	2.10%	0.149%
26	11.022	1516	1519	1521	rVB	47287	44565	1.58%	0.112%
27	11.063	1521	1526	1528	rBV3	52786	78554	2.78%	0.197%
28	11.086	1528	1530	1536	rVV2	53932	57548	2.04%	0.145%
29	11.145	1536	1540	1543	rVV2	64751	66202	2.35%	0.166%
30	11.180	1543	1546	1549	rVV2	91770	108074	3.83%	0.272%
31	11.227	1552	1554	1561	rVB	115113	104548	3.71%	0.263%
32	11.333	1568	1572	1574	rBV	932143	855844	30.34%	2.151%
33	11.357	1574	1576	1580	rVV	1574751	1390975	49.31%	3.495%
34	11.410	1580	1585	1588	rVV	408607	335900	11.91%	0.844%

LSC Area Percent Report

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Data File : BF099791.D
Acq On : 24 Oct 2017 16:39
Operator : SJ/JU
Sample : I6019-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-02

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.445	1588	1591	1596	rVB3	31780	51536	1.83%	0.130%
36	11.492	1596	1599	1601	rBV4	28427	37805	1.34%	0.095%
37	11.569	1607	1612	1616	rBV2	137704	206778	7.33%	0.520%
38	11.663	1626	1628	1630	rBV	59190	59581	2.11%	0.150%
39	11.833	1654	1657	1659	rBV	356529	316272	11.21%	0.795%
40	11.863	1659	1662	1665	rVV2	430587	407450	14.44%	1.024%
41	11.916	1668	1671	1673	rBV	156676	173363	6.15%	0.436%
42	11.951	1673	1677	1679	rBV2	443500	527595	18.70%	1.326%
43	12.392	1749	1752	1755	rBV	243016	246837	8.75%	0.620%
44	12.433	1756	1759	1761	rVV2	104860	116960	4.15%	0.294%
45	12.492	1764	1769	1772	rBV2	121341	170762	6.05%	0.429%
46	12.563	1776	1781	1784	rBV	1706091	1653350	58.61%	4.155%
47	12.592	1784	1786	1788	rVB	58644	48159	1.71%	0.121%
48	12.616	1788	1790	1792	rBV2	75165	69870	2.48%	0.176%
49	12.704	1801	1805	1808	rBV2	93938	98347	3.49%	0.247%
50	12.727	1808	1809	1812	rVB2	51114	36861	1.31%	0.093%
51	12.786	1812	1819	1824	rBV	1665472	1863543	66.06%	4.683%
52	12.833	1824	1827	1831	rVB2	130901	137265	4.87%	0.345%
53	12.921	1833	1842	1845	rBV	2192352	2262682	80.21%	5.686%
54	12.951	1845	1847	1851	rVB	84853	83270	2.95%	0.209%
55	13.004	1851	1856	1860	rBV3	157030	284859	10.10%	0.716%
56	13.110	1867	1874	1877	rBV	255004	374937	13.29%	0.942%
57	13.174	1882	1885	1888	rBV	167420	126551	4.49%	0.318%
58	13.216	1888	1892	1895	rVV2	187490	222188	7.88%	0.558%
59	13.268	1899	1901	1904	rVB2	49323	39312	1.39%	0.099%
60	13.304	1904	1907	1910	rBV	154812	140885	4.99%	0.354%
61	13.339	1910	1913	1916	rBV	155694	146662	5.20%	0.369%
62	13.592	1953	1956	1959	rBV4	48990	63514	2.25%	0.160%
63	13.627	1959	1962	1965	rVV	121503	128715	4.56%	0.323%
64	13.680	1968	1971	1974	rVB	36234	35214	1.25%	0.088%
65	13.733	1974	1980	1982	rBV	161304	186761	6.62%	0.469%
66	13.751	1982	1983	1986	rVB	143493	110358	3.91%	0.277%
67	13.798	1986	1991	1995	rBV3	171785	266612	9.45%	0.670%
68	13.833	1995	1997	2003	rVB	118692	137721	4.88%	0.346%
69	13.904	2004	2009	2014	rBV2	45895	83992	2.98%	0.211%
70	13.974	2014	2021	2025	rBV2	859966	1385374	49.11%	3.481%
71	14.010	2025	2027	2030	rVB	641223	509435	18.06%	1.280%

LSC Area Percent Report

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Sample : I6019-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-02

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.086	2038	2040	2043	rVB	100209	82212	2.91%	0.207%
73	14.145	2047	2050	2054	rBV5	40949	56241	1.99%	0.141%
74	14.215	2060	2062	2064	rVB	48136	35336	1.25%	0.089%
75	14.239	2064	2066	2070	rVB3	48766	50998	1.81%	0.128%
76	14.333	2079	2082	2083	rBV	53481	46627	1.65%	0.117%
77	14.368	2083	2088	2091	rBV	170896	163131	5.78%	0.410%
78	14.404	2091	2094	2096	rBV	65665	58072	2.06%	0.146%
79	14.468	2103	2105	2107	rVB2	44737	36603	1.30%	0.092%
80	14.498	2107	2110	2111	rBV	68902	59760	2.12%	0.150%
81	14.563	2119	2121	2124	rVB3	59811	52284	1.85%	0.131%
82	14.698	2141	2144	2146	rBV	65708	76285	2.70%	0.192%
83	14.868	2169	2173	2176	rBV	239930	245091	8.69%	0.616%
84	15.027	2195	2200	2202	rBV	443731	645068	22.87%	1.621%
85	15.133	2215	2218	2221	rBV	92882	92767	3.29%	0.233%
86	15.221	2230	2233	2237	rBV5	22854	35286	1.25%	0.089%
87	15.327	2246	2251	2258	rVB	298931	380779	13.50%	0.957%
88	15.392	2258	2262	2268	rVV	439230	551097	19.54%	1.385%
89	15.451	2268	2272	2275	rVV	402563	476068	16.88%	1.196%
90	15.480	2275	2277	2284	rVB2	120668	167096	5.92%	0.420%
91	15.621	2297	2301	2305	rBV2	110168	147060	5.21%	0.370%
92	15.845	2335	2339	2342	rVB	53743	64473	2.29%	0.162%
93	16.009	2364	2367	2371	rBV3	32457	43171	1.53%	0.108%
94	16.086	2377	2380	2385	rBV7	24817	49349	1.75%	0.124%
95	16.621	2468	2471	2478	rVB5	66620	103633	3.67%	0.260%
96	16.921	2515	2522	2530	rVB	200332	427272	15.15%	1.074%
97	17.092	2546	2551	2557	rBV	48884	90566	3.21%	0.228%
98	17.156	2557	2562	2570	rVB4	32958	71245	2.53%	0.179%
99	17.374	2593	2599	2609	rBV	147912	344364	12.21%	0.865%
100	17.627	2639	2642	2652	rVB	39889	94426	3.35%	0.237%

Sum of corrected areas: 39795028

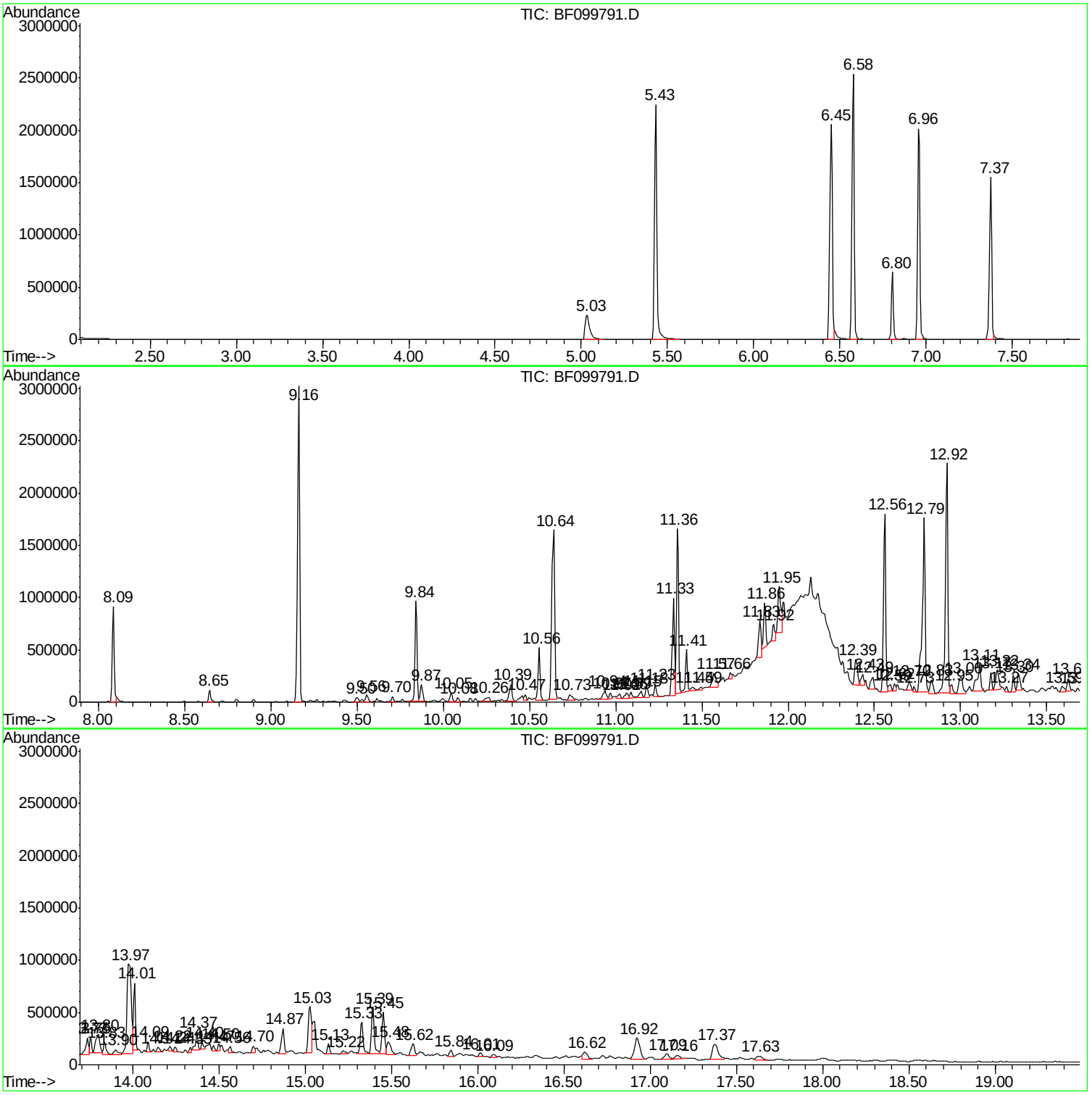
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
Data File : BF099791.D
Acq On : 24 Oct 2017 16:39
Operator : SJ/JU
Sample : I6019-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

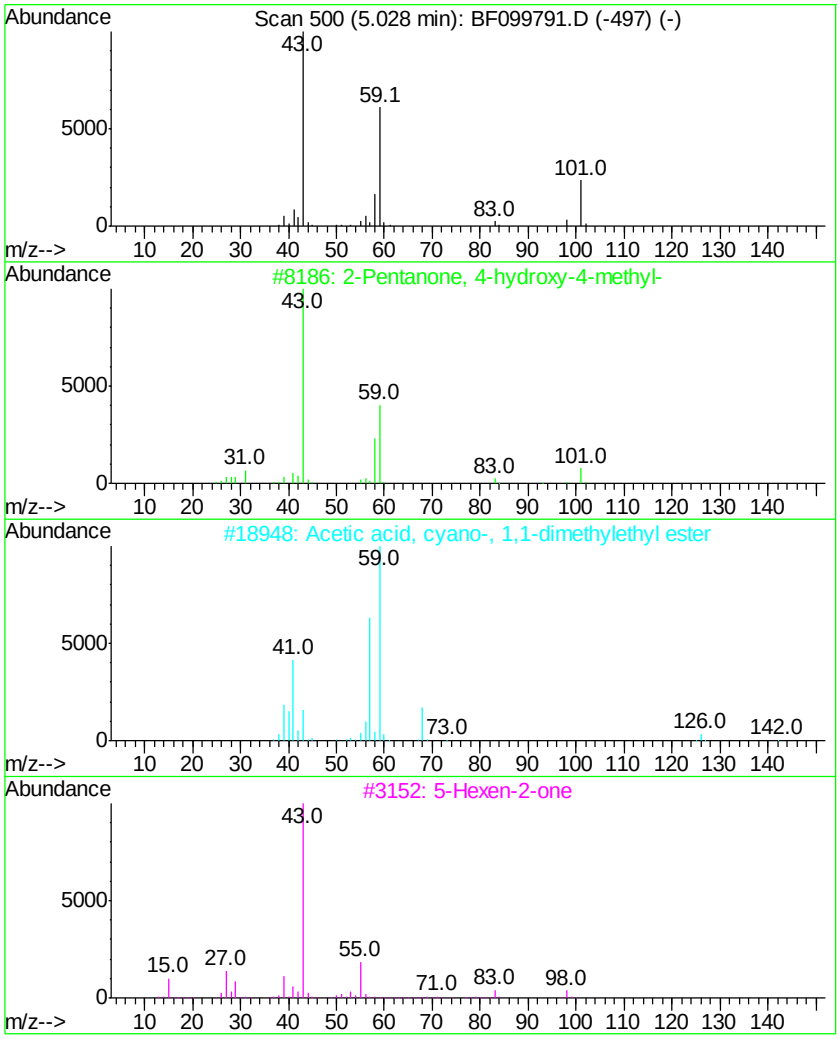
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

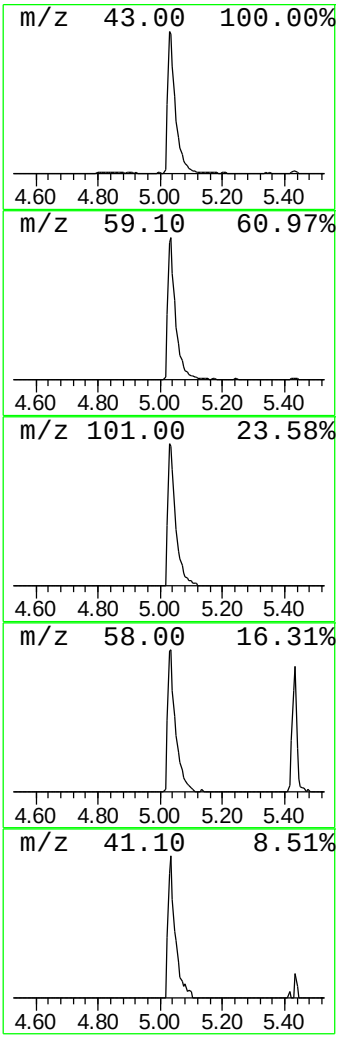
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.03	15.12 ng	406518	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
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Acq On : 24 Oct 2017 16:39
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Sample : I6019-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

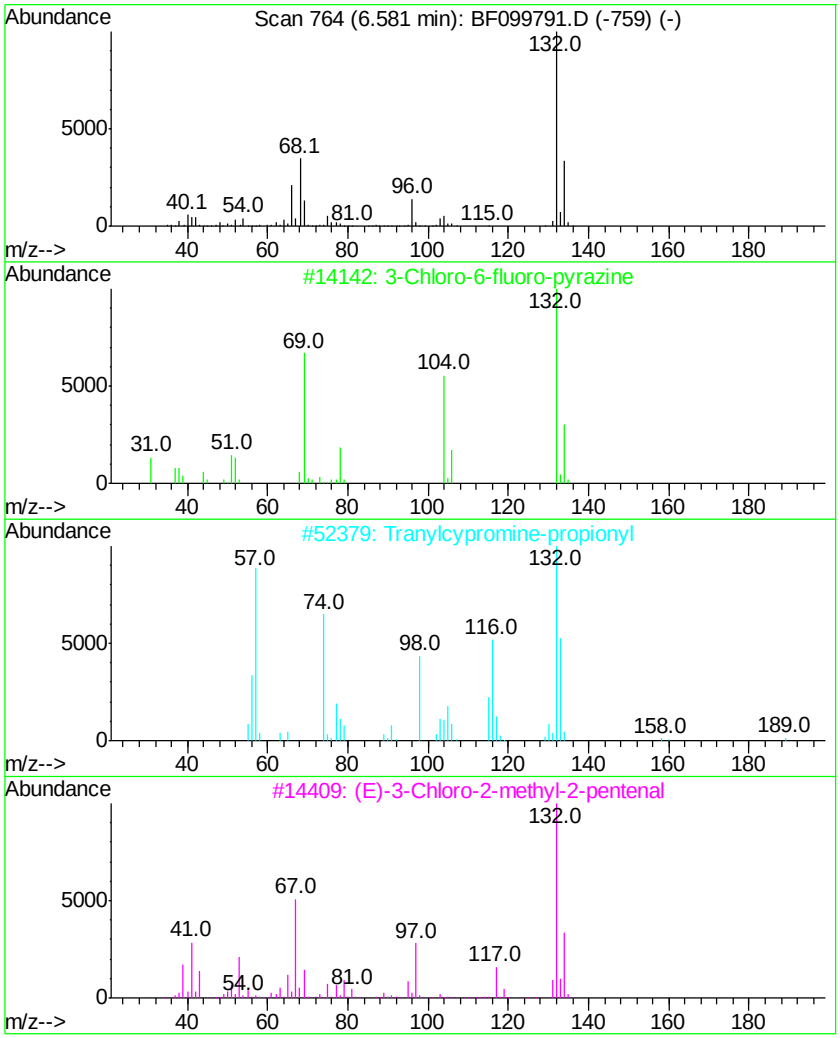
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

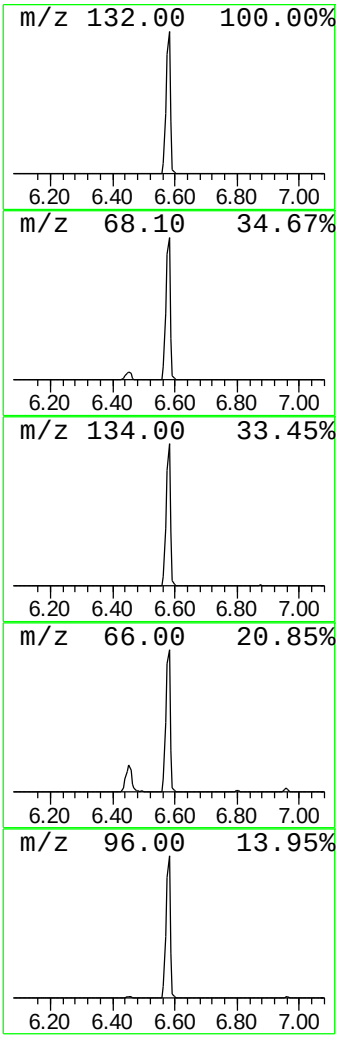
****

Peak Number 2 unknown6.58 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	91.50 ng	2459980	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
4	1H-Indazole, 7-methyl-	132	C8H8N2	1000316-00-7	10
5	Xenon	132	Xe	007440-63-3	9





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TIC Library : C:\DATABASE\NIST11.L
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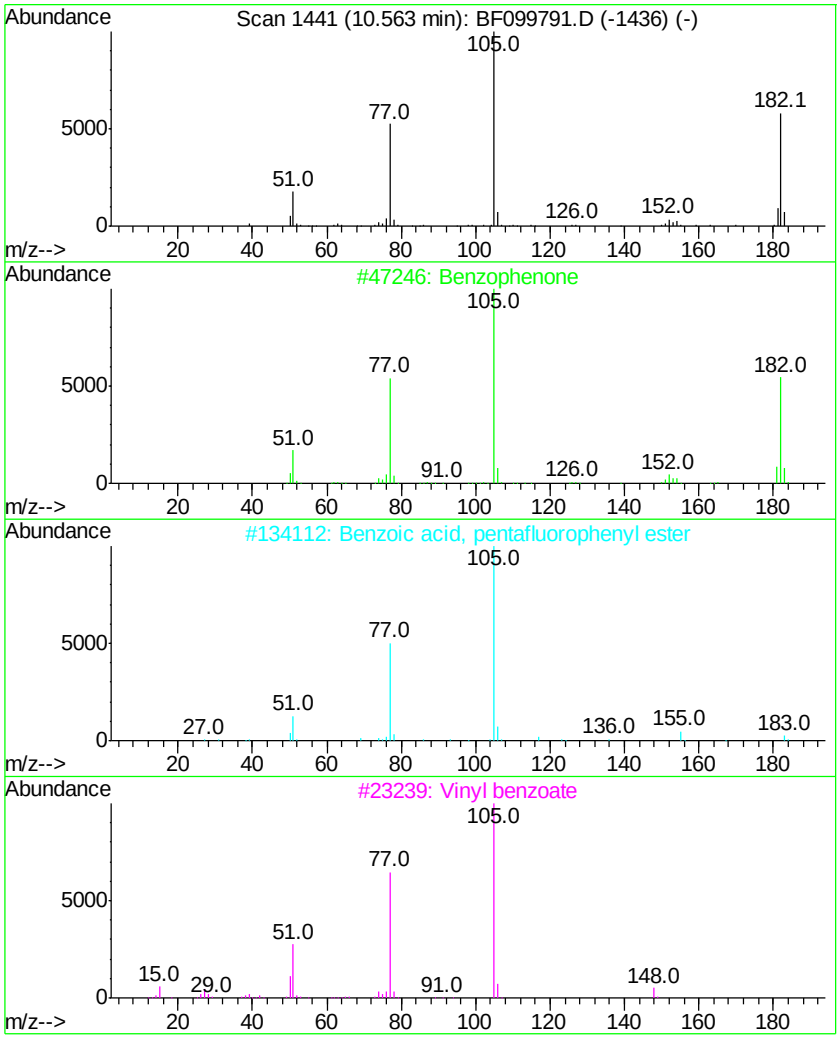
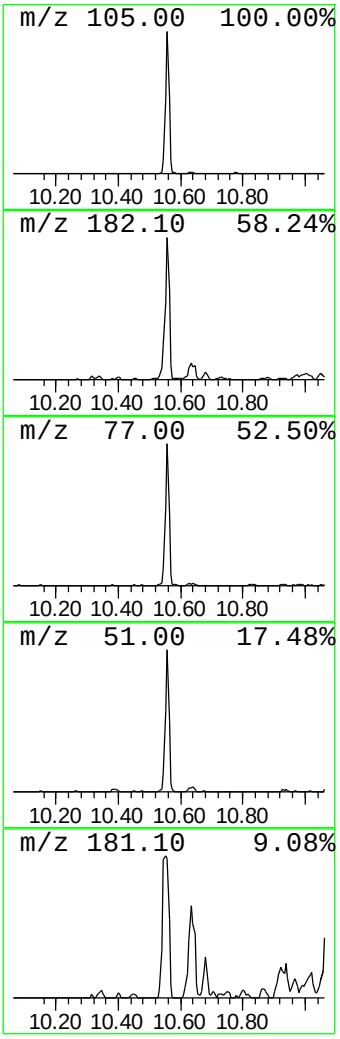
****

Peak Number 4 Benzophenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	10.03 ng	434904	Acenaphthene-d10	9.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Benzoic acid, pentafluorophenyl ...	288	C13H5F5O2	1000360-67-9	47
3	Vinyl benzoate	148	C9H8O2	000769-78-8	43
4	Benzenecarbothioic acid	138	C7H6OS	000098-91-9	43
5	1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	43





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ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.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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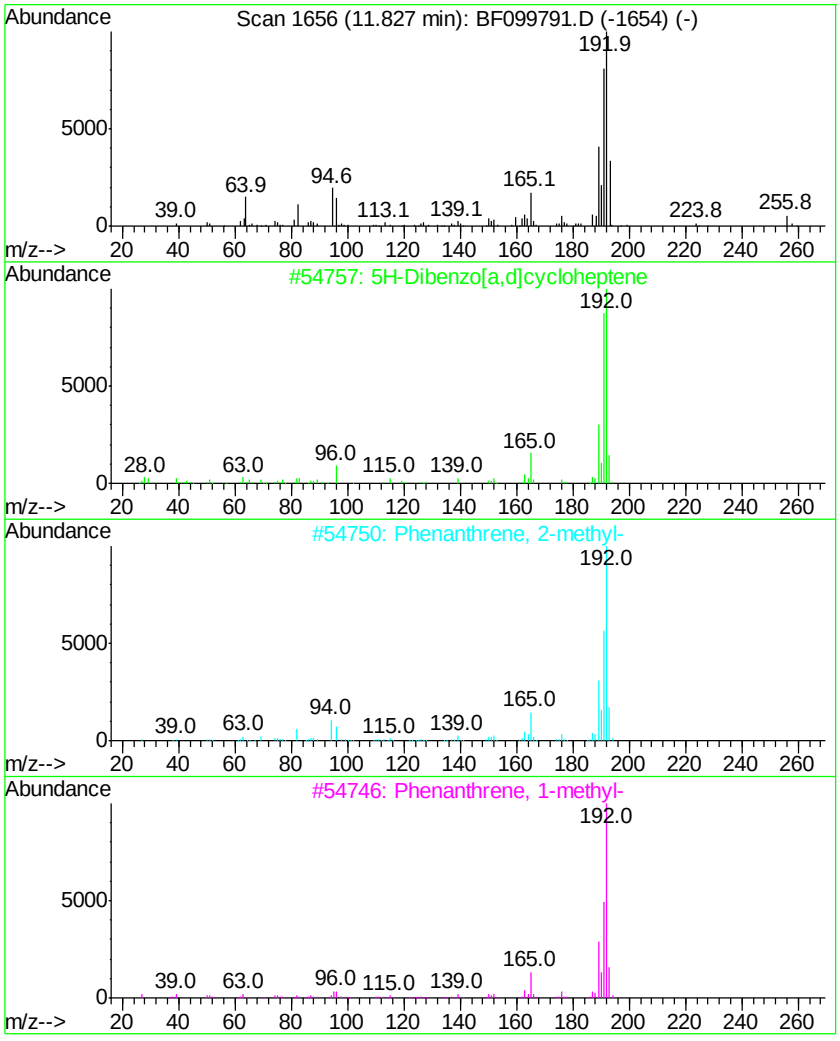
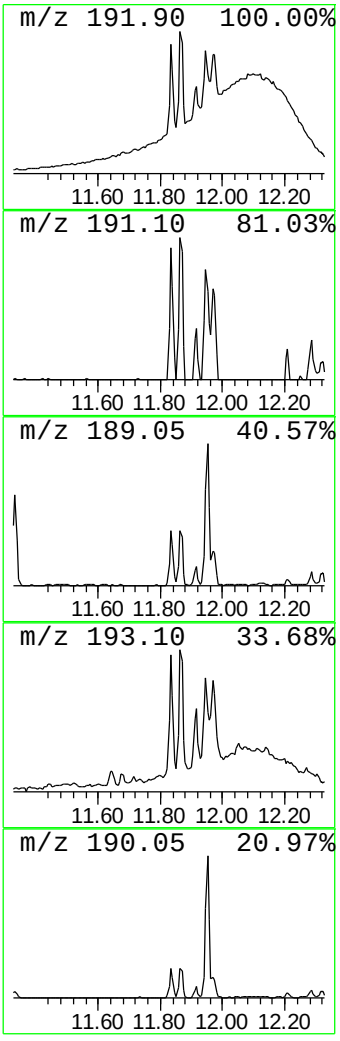
Peak Number 5 5H-Dibenzo[a,d]cycloheptene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	7.39 ng	316272	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
Data File : BF099791.D
Acq On : 24 Oct 2017 16:39
Operator : SJ/JU
Sample : I6019-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

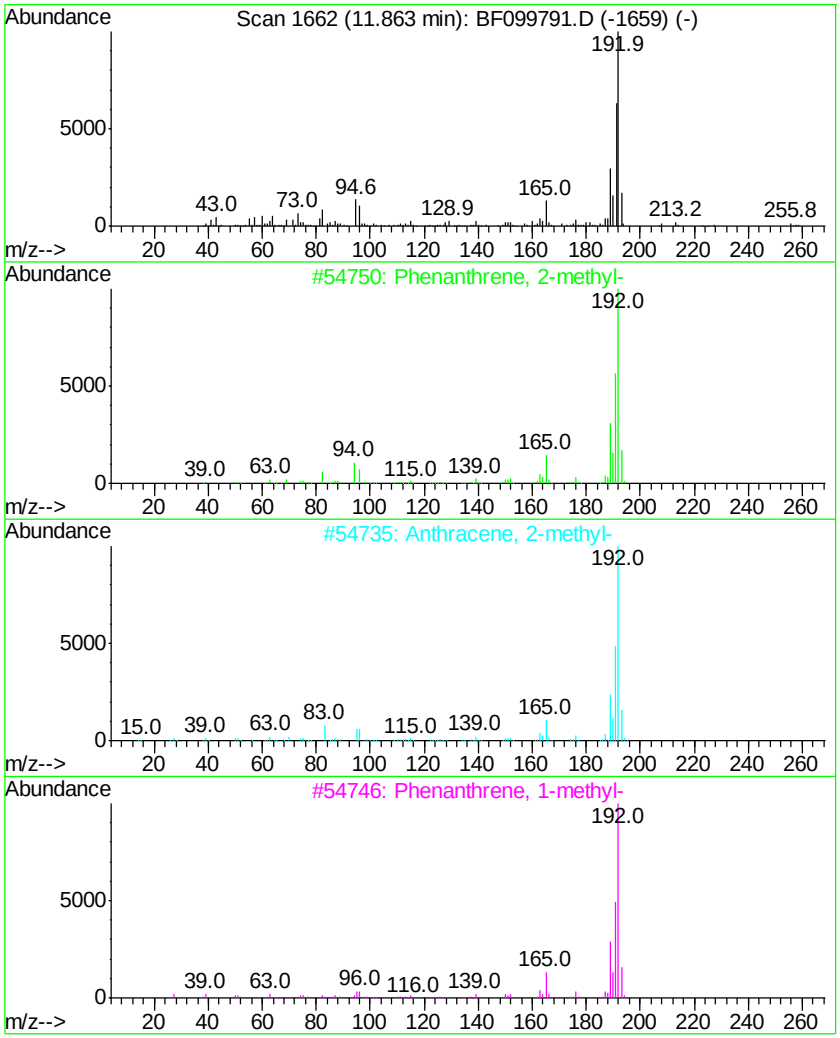
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

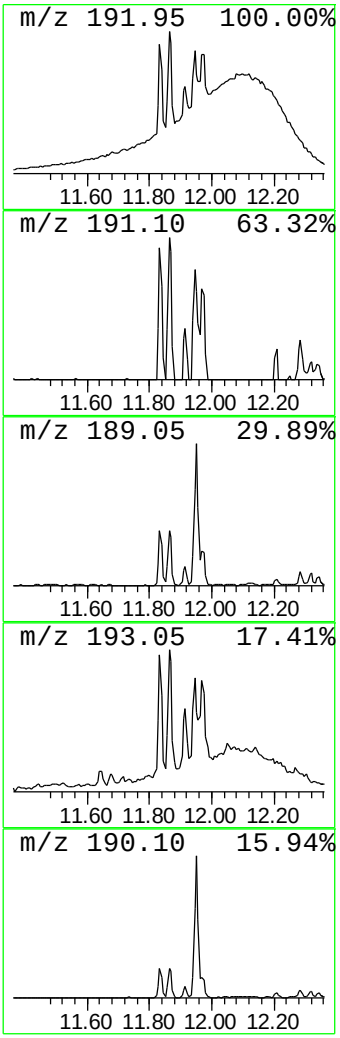
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	9.52 ng	407450	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96





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Sample : I6019-03
Misc :
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Instrument : BNA_F
ClientSampleId : SB-02

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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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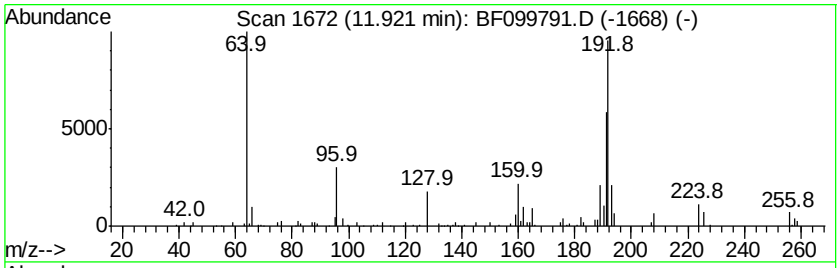
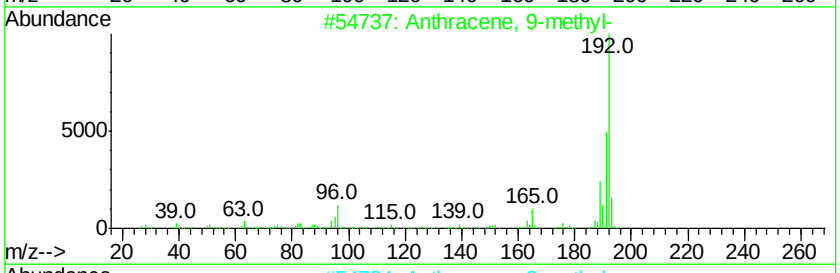
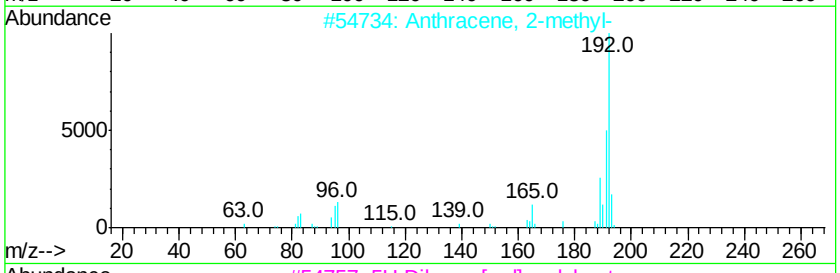
Peak Number 7 Anthracene, 9-methyl- Concentration Rank 15

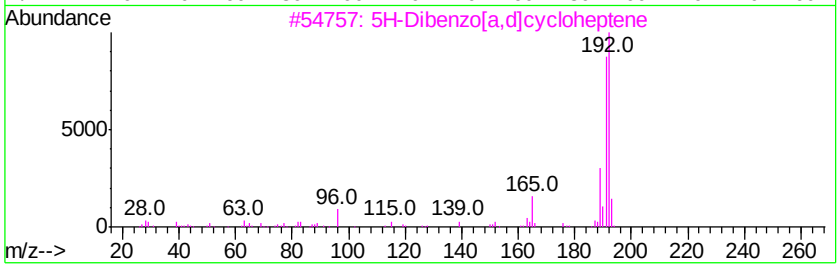
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	4.05 ng	173363	Phenanthrene-d10	11.33

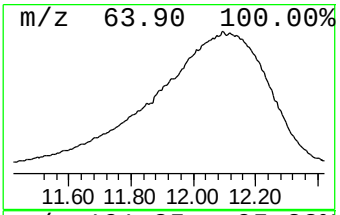
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	89
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	70
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	70
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	70
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	70

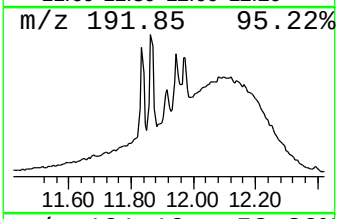


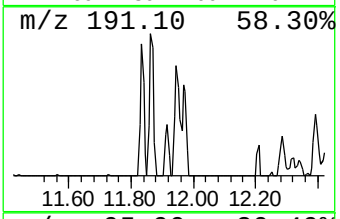


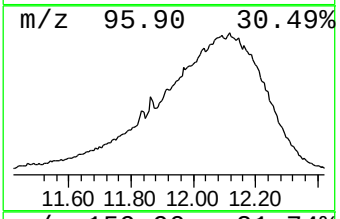


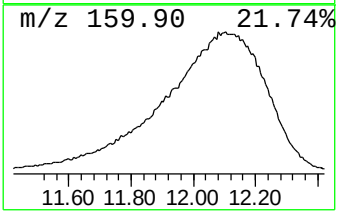












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Sample : I6019-03
Misc :
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Instrument : BNA_F
ClientSampleId : SB-02

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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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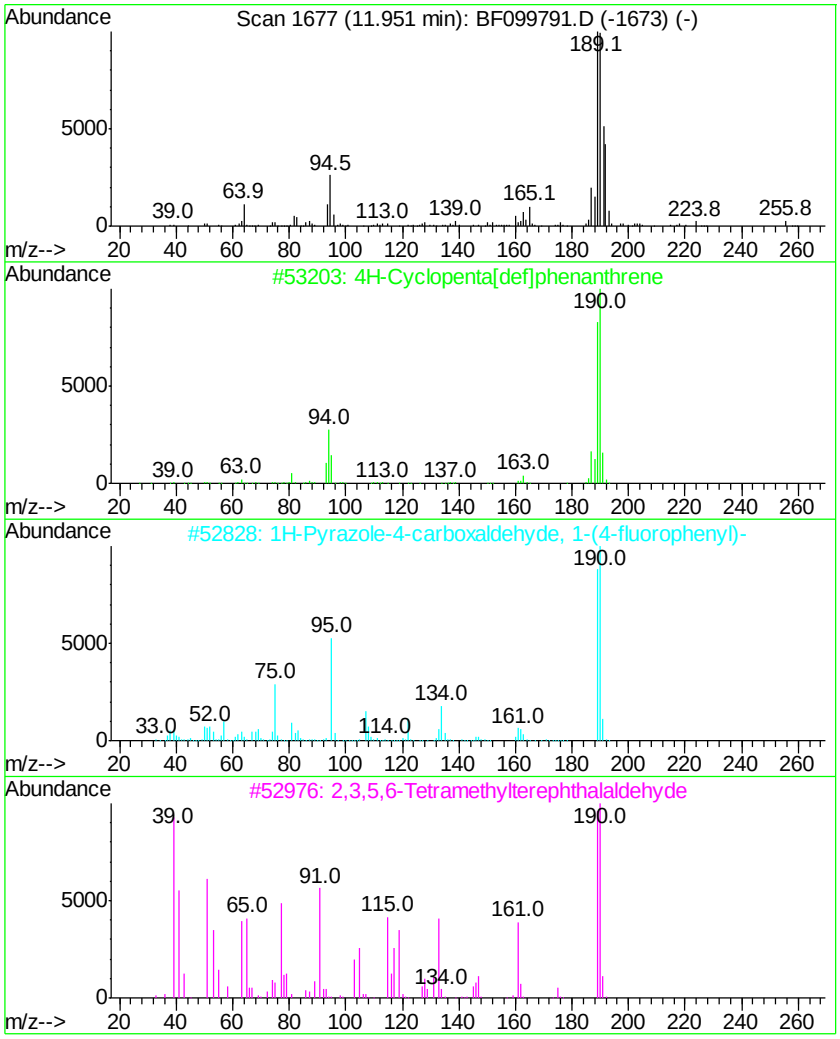
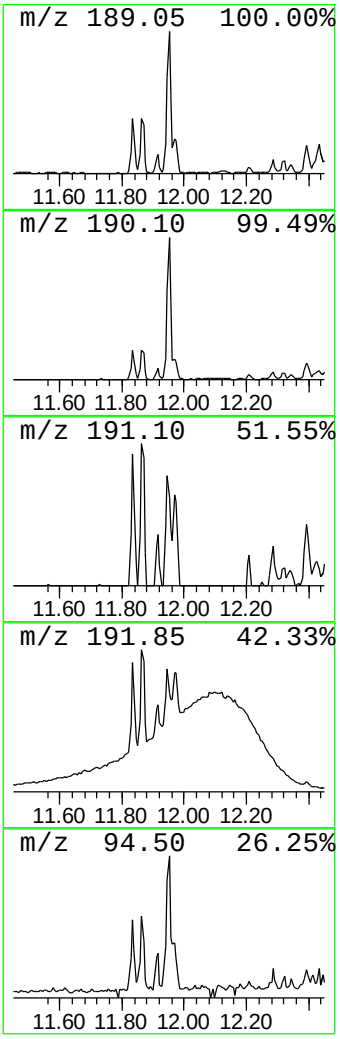
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	12.33 ng	527595	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	1H-Pyrazole-4-carboxaldehyde, 1-...	190	C10H7FN2O	1000338-05-6	46
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38





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ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-02

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

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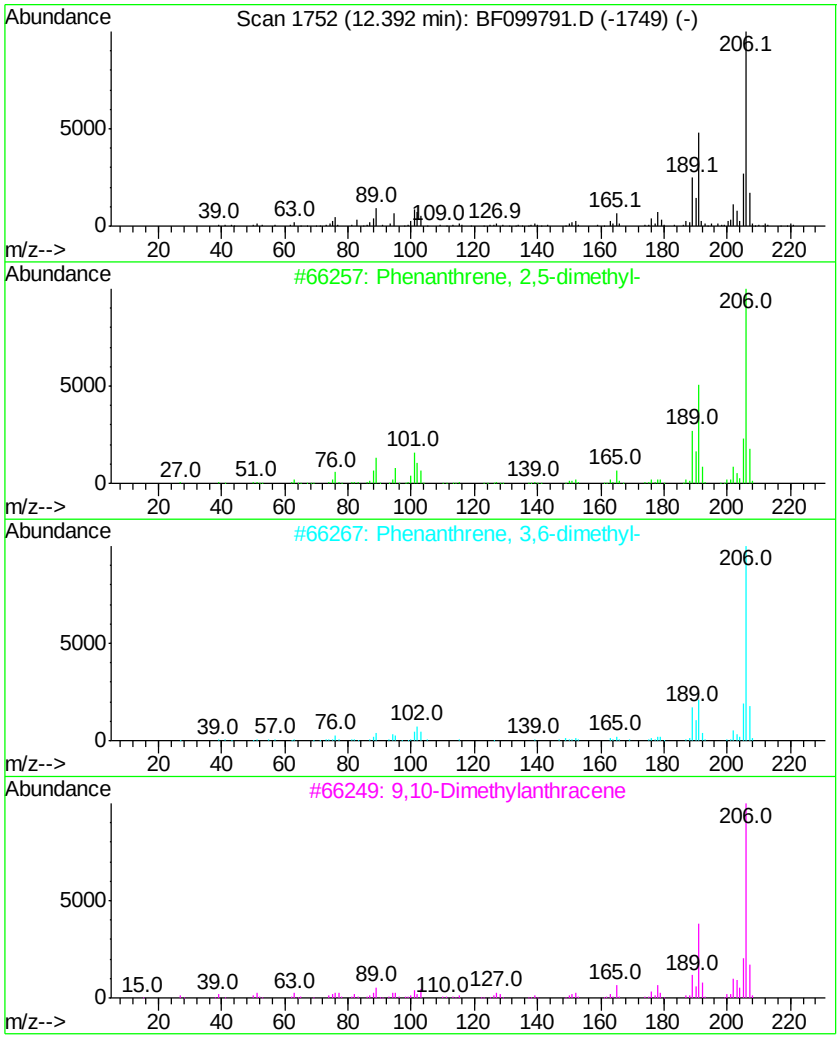
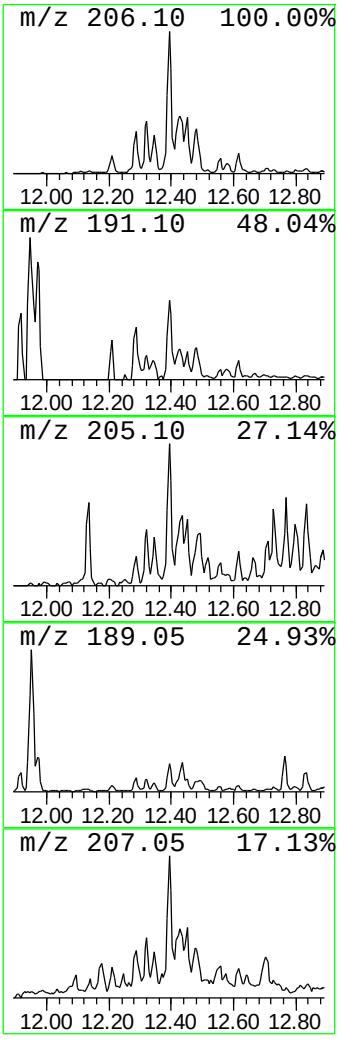
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	5.77 ng	246837	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86





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

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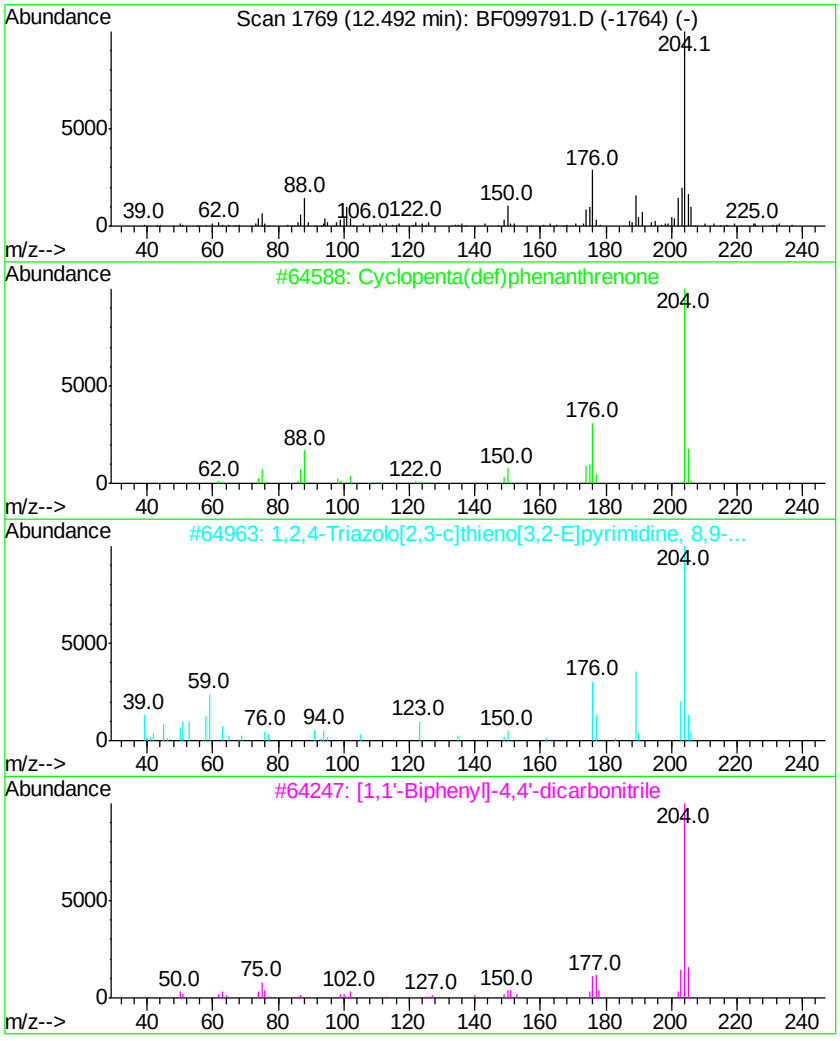
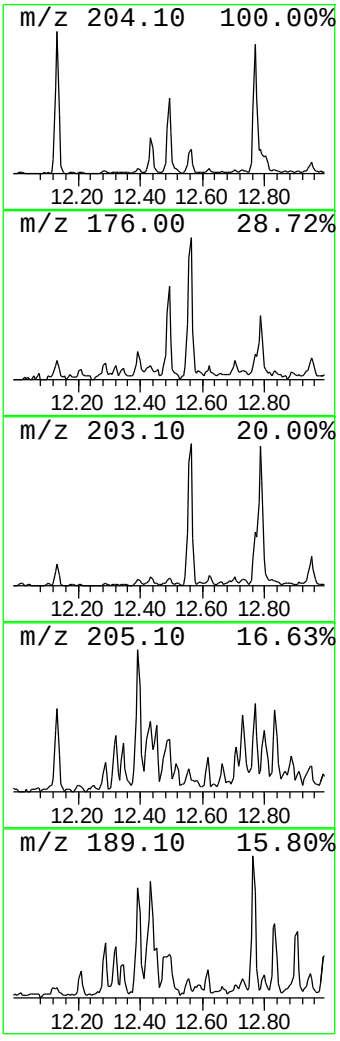
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	3.99 ng	170762	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	1,2,4-Triazolo[2,3-c]thieno[3,2-...	204	C9H8N4S	113246-88-1	64
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	59
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	55





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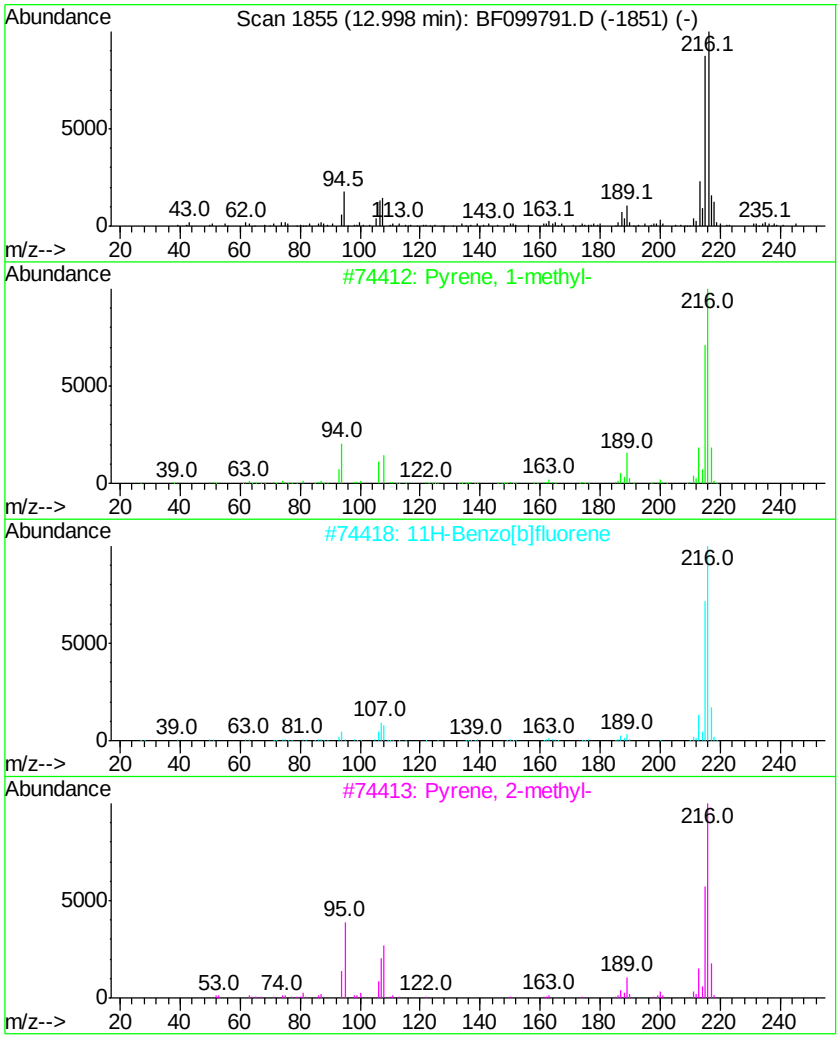
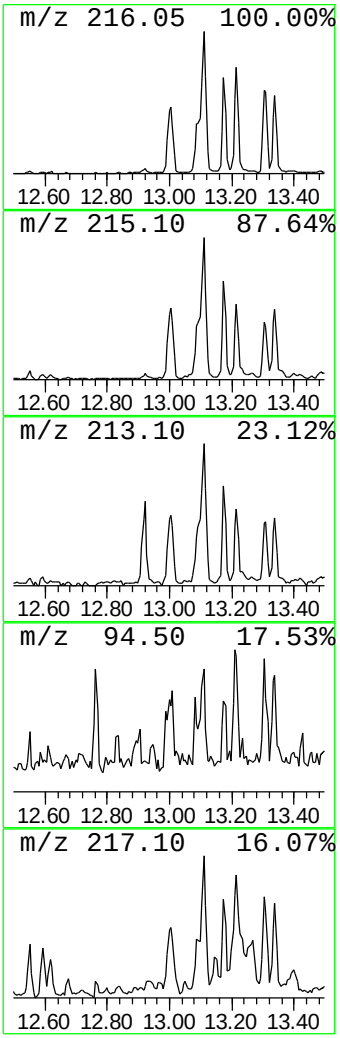
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	4.11 ng	284859	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76





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

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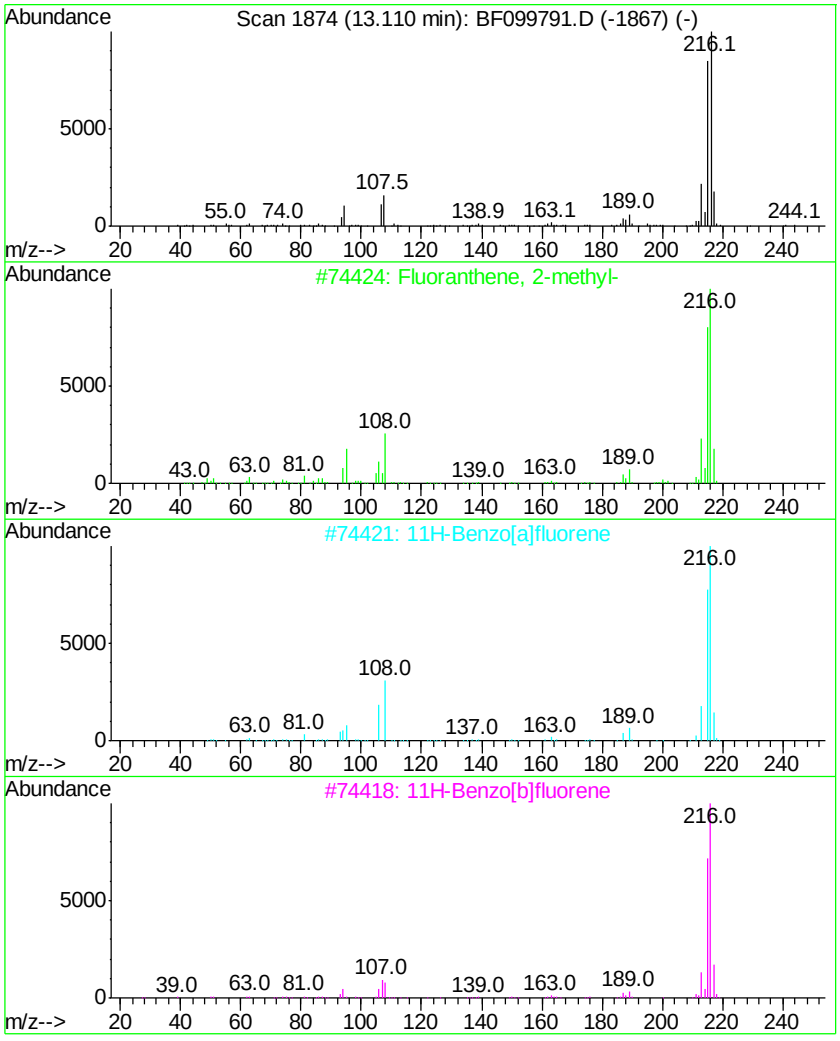
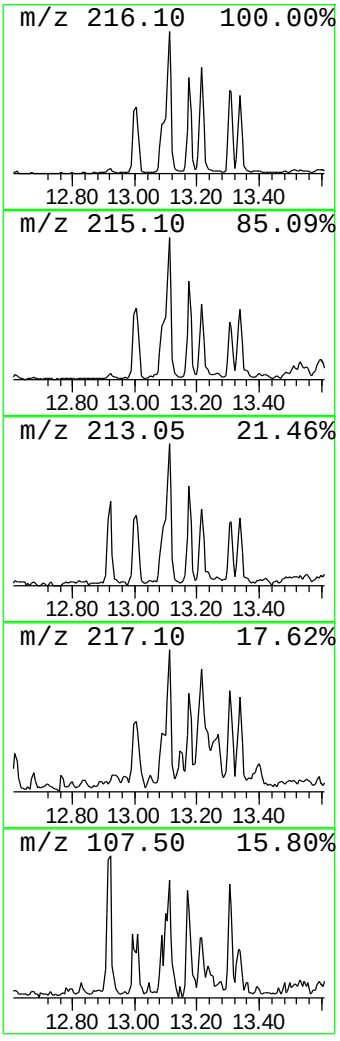
Peak Number 12 Fluoranthene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.11	5.41 ng	374937	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86





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TIC Library : C:\DATABASE\NIST11.L
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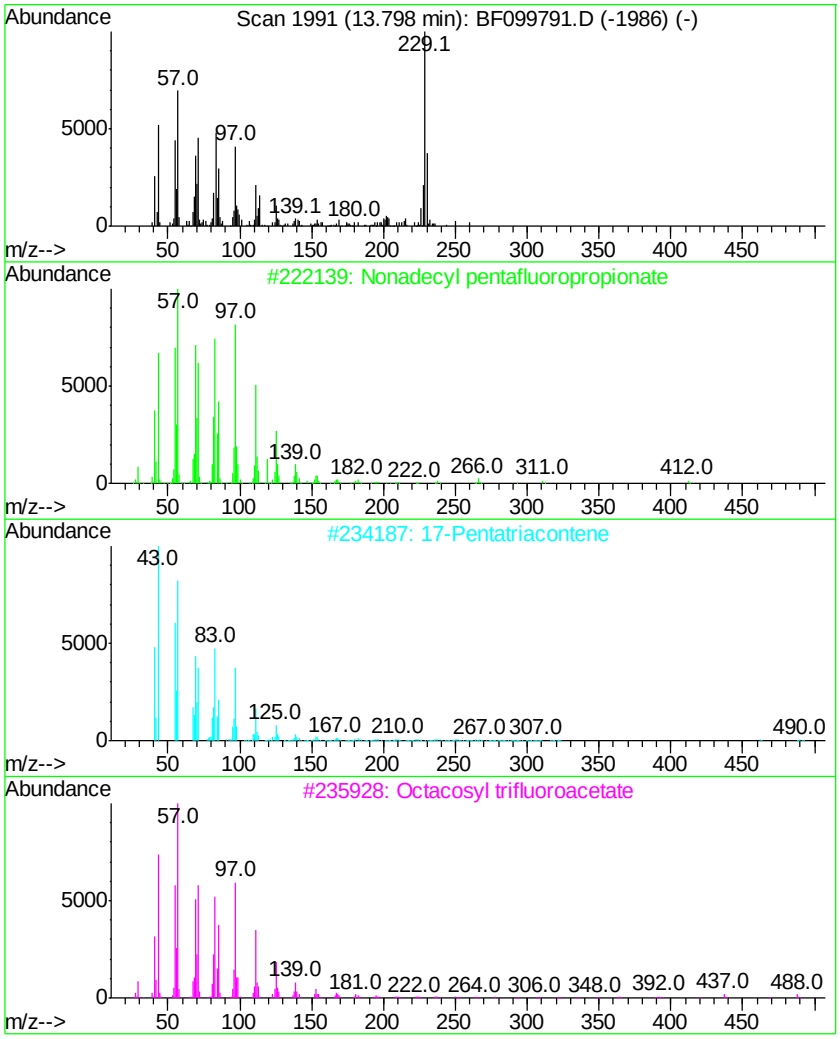
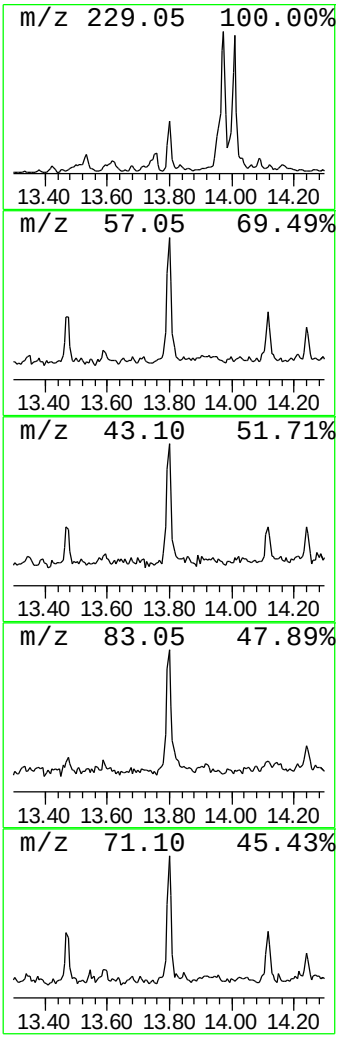
Peak Number 13 unknown13.80 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.80	3.85 ng	266612	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	49
2	17-Pentatriacontene	491	C35H70	006971-40-0	46
3	Octacosyl trifluoroacetate	506	C30H57F3O2	1000351-74-9	41
4	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	41
5	Pentafluoropropionic acid, tetra...	360	C17H29F5O2	006222-06-6	41





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

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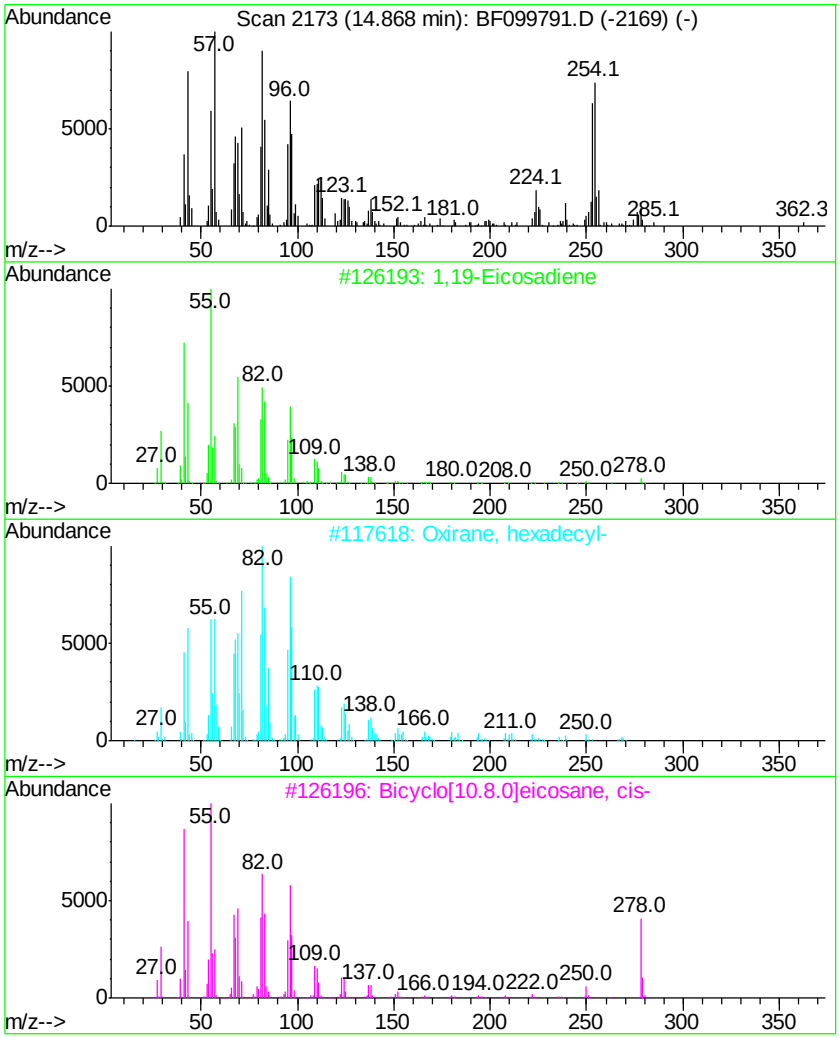
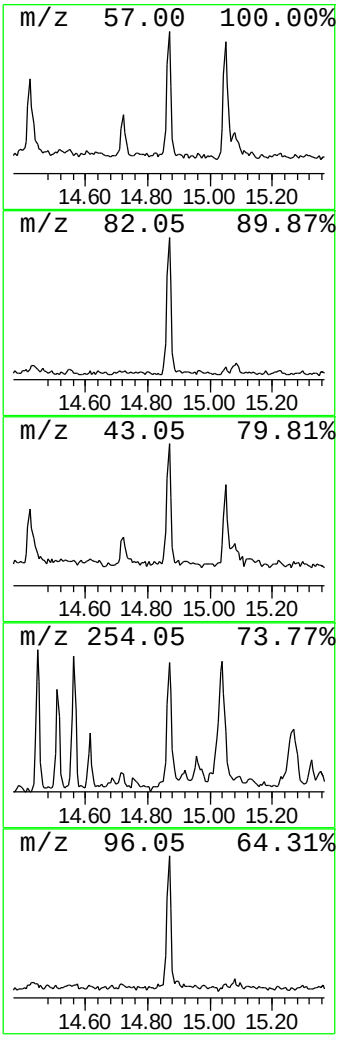
Peak Number 14 1,19-Eicosadiene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	10.30 ng	245091	Perylene-d12	15.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,19-Eicosadiene	278	C20H38	014811-95-1	95
2	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	92
3	Bicyclo[10.8.0]eicosane, cis-	278	C20H38	1000155-82-2	90
4	Octadecanal	268	C18H36O	000638-66-4	90
5	E-11(13-Methyl)tetradecen-1-ol a...	268	C17H32O2	1000130-80-4	89





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TIC Library : C:\DATABASE\NIST11.L
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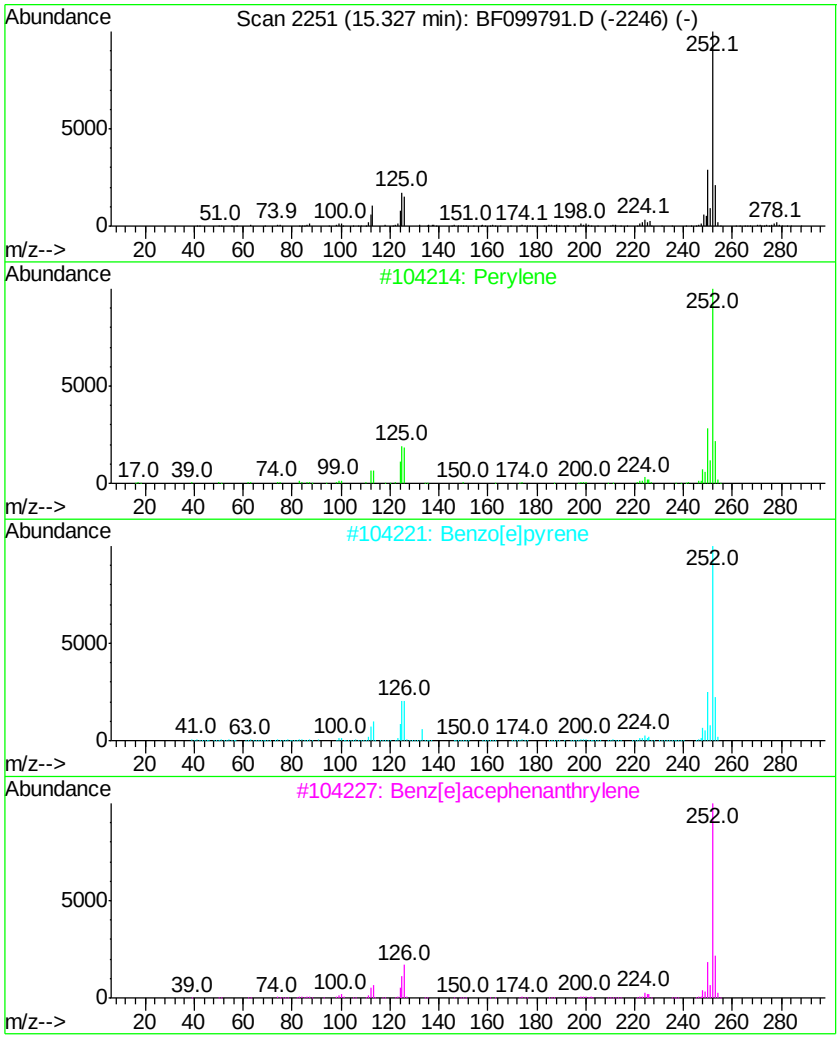
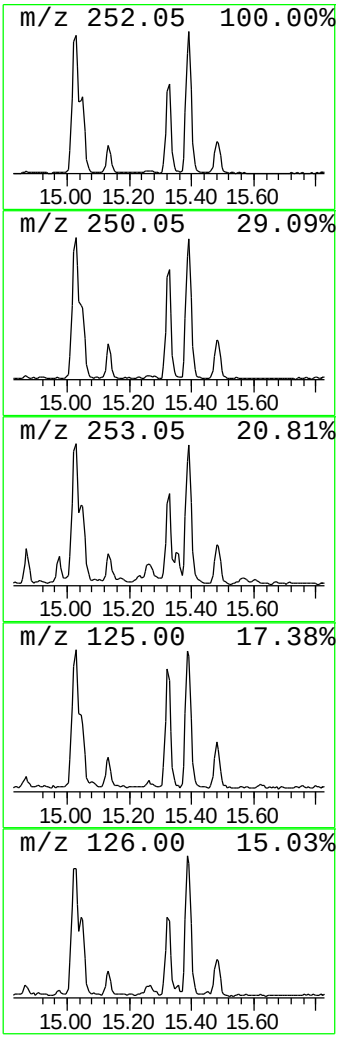
Peak Number 16 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	16.00 ng	380779	Perylene-d12	15.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	99
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4	Benzo[a]pyrene	252	C20H12	000050-32-8	94
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94





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TIC Library : C:\DATABASE\NIST11.L
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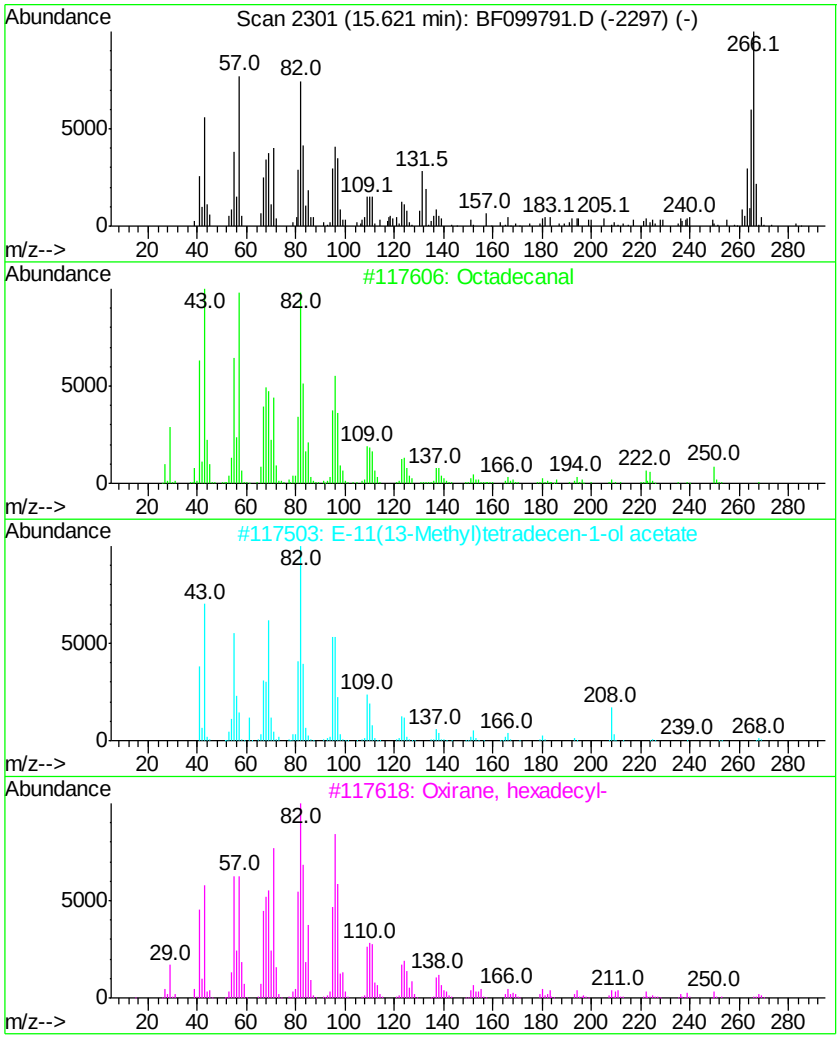
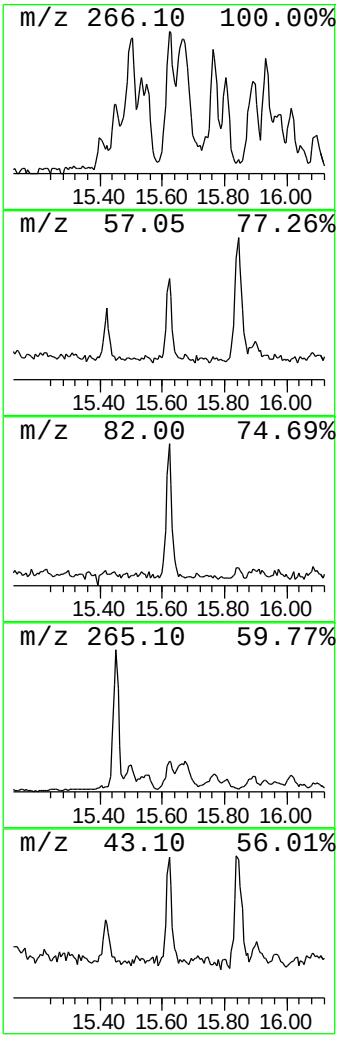
Peak Number 17 Octadecanal Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	6.18 ng	147060	Perylene-d12	15.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanal	268	C18H36O	000638-66-4	83
2	E-11(13-Methyl)tetradecen-1-ol a...	268	C17H32O2	1000130-80-4	74
3	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	55
4	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	43
5	Hexadecanal	240	C16H32O	000629-80-1	42





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Instrument : BNA_F
ClientSampleId : SB-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.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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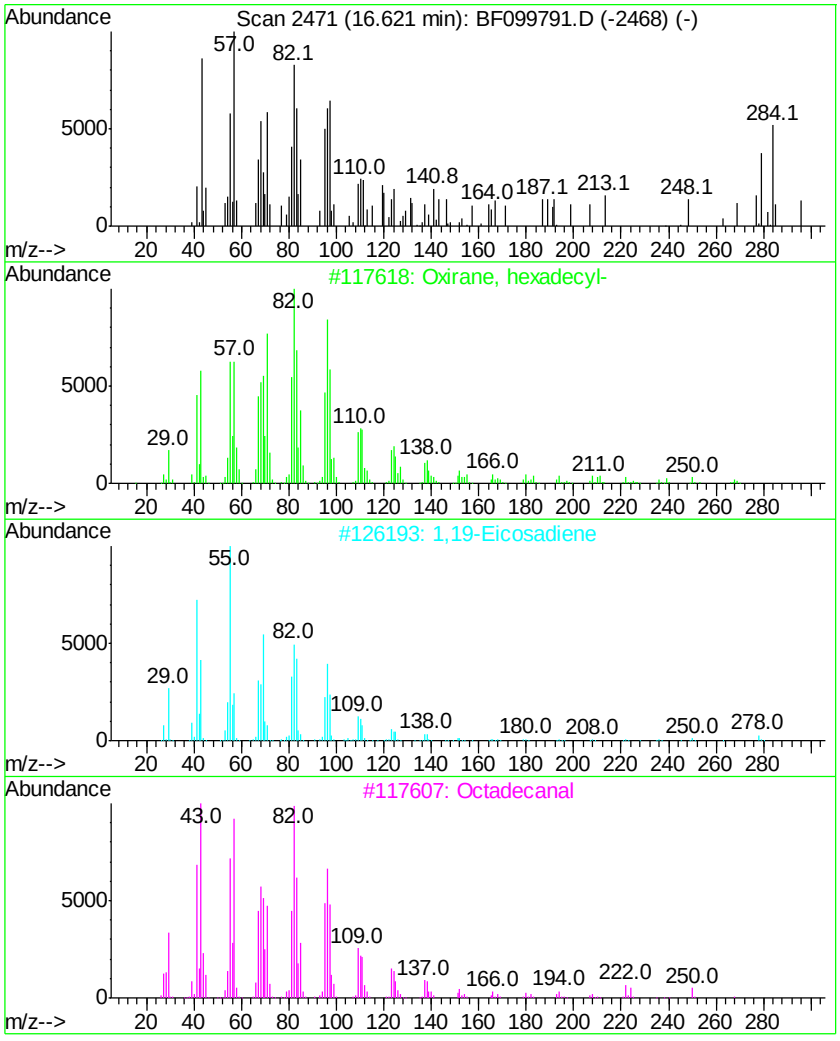
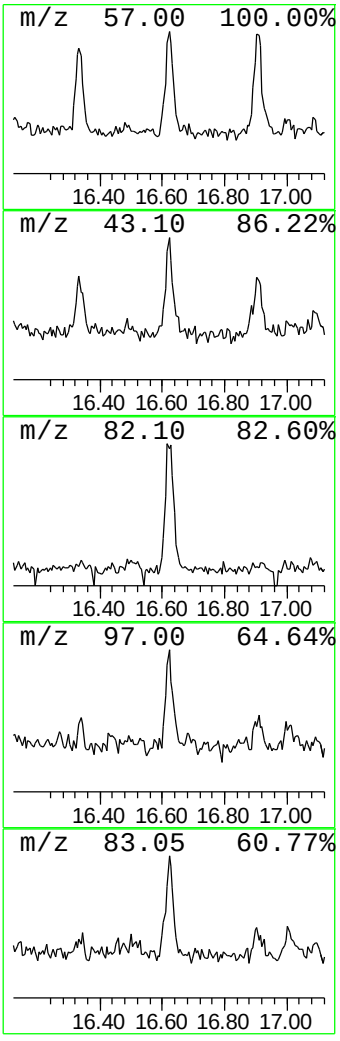
Peak Number 18 Oxirane, hexadecyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.62	4.35 ng	103633	Perylene-d12	15.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	64
2	1,19-Eicosadiene	278	C20H38	014811-95-1	64
3	Octadecanal	268	C18H36O	000638-66-4	53
4	Hexadecanal	240	C16H32O	000629-80-1	49
5	E-8-Hexadecen-1-ol acetate	282	C18H34O2	1000131-01-1	49





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Data File : BF099791.D
Acq On : 24 Oct 2017 16:39
Operator : SJ/JU
Sample : I6019-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.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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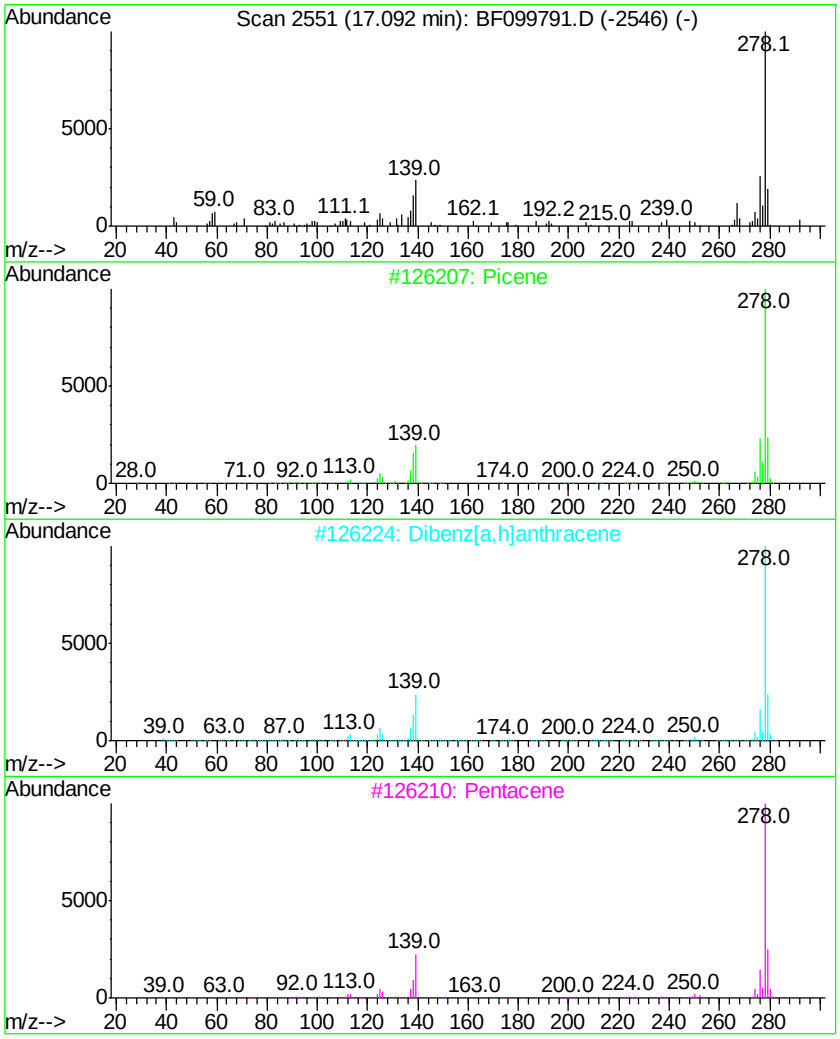
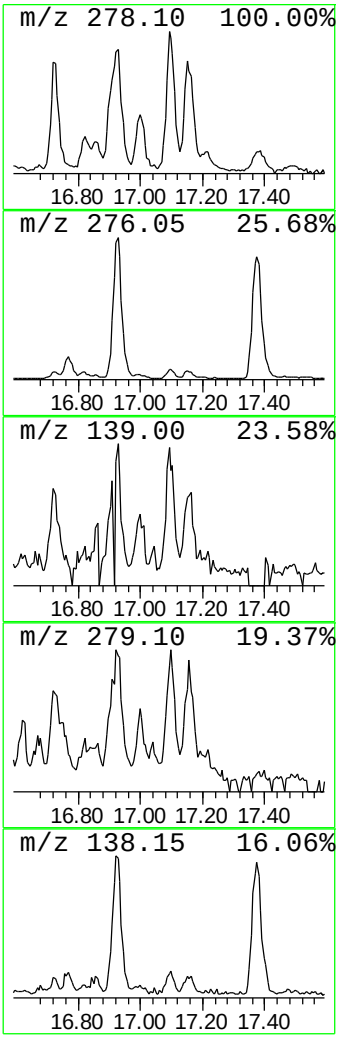
Peak Number 19 Picene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.09	3.80 ng	90566	Perylene-d12	15.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	89
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	86
3	Pentacene	278	C22H14	000135-48-8	83
4	Benzo[b]triphenylene	278	C22H14	000215-58-7	83
5	Benzo[a]naphthacene	278	C22H14	000226-88-0	81





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
Data File : BF099791.D
Acq On : 24 Oct 2017 16:39
Operator : SJ/JU
Sample : I6019-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.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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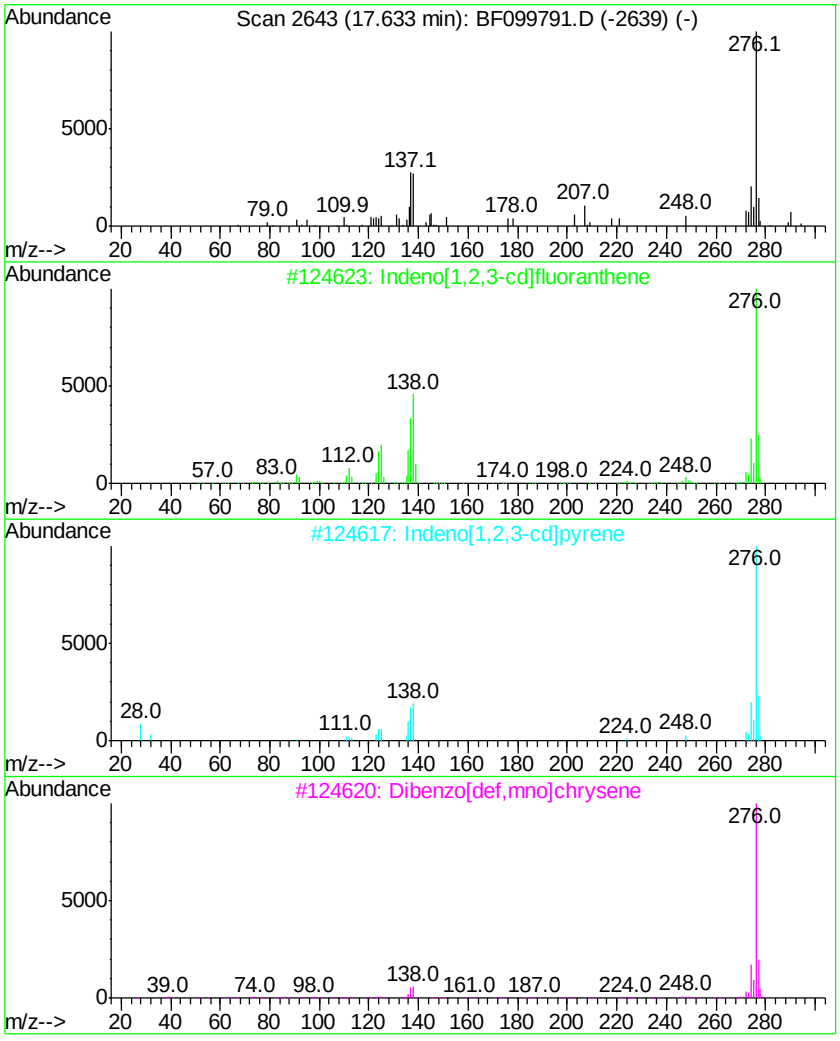
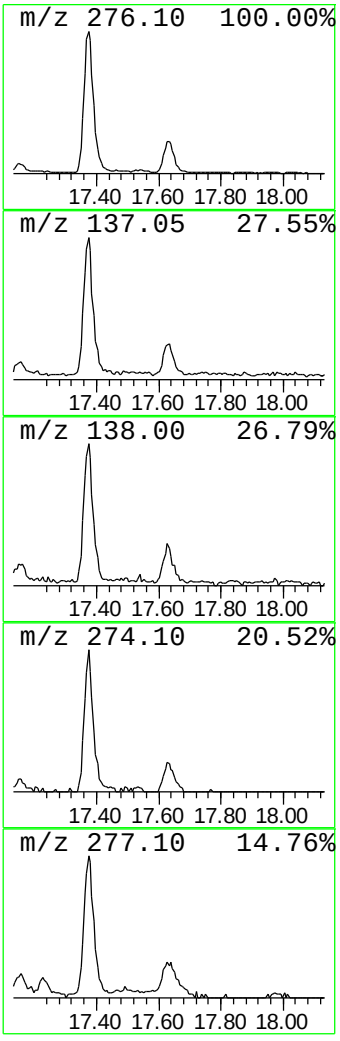
Peak Number 20 Indeno[1,2,3-cd]fluoranthene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.63	3.97 ng	94426	Perylene-d12	15.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	89
2	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	81
3	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	81
4	Benzo[ghi]perylene	276	C22H12	000191-24-2	64
5	Oxalic acid, diamide, N,N'-bis(4...	276	C14H10F2N2O2	1000309-42-9	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102417\
Data File : BF099791.D
Acq On : 24 Oct 2017 16:39
Operator : SJ/JU
Sample : I6019-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.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...	5.03	15.1	ng	406518	1	6.80	537713	20.0
unknown6.58	6.58	91.5	ng	2459980	1	6.80	537713	20.0
Benzophenone	10.56	10.0	ng	434904	3	9.84	867026	20.0
5H-Dibenzo[a,d]cy...	11.83	7.4	ng	316272	4	11.33	855844	20.0
Phenanthrene, 2-m...	11.86	9.5	ng	407450	4	11.33	855844	20.0
Anthracene, 9-met...	11.92	4.0	ng	173363	4	11.33	855844	20.0
4H-Cyclopenta[def...	11.95	12.3	ng	527595	4	11.33	855844	20.0
Phenanthrene, 2,5...	12.39	5.8	ng	246837	4	11.33	855844	20.0
Cyclopenta(def)ph...	12.49	4.0	ng	170762	4	11.33	855844	20.0
Pyrene, 1-methyl-	13.00	4.1	ng	284859	5	13.98	1385370	20.0
Fluoranthene, 2-m...	13.11	5.4	ng	374937	5	13.98	1385370	20.0
unknown13.80	13.80	3.9	ng	266612	5	13.98	1385370	20.0
1,19-Eicosadiene	14.87	10.3	ng	245091	6	15.45	476068	20.0
Perylene	15.33	16.0	ng	380779	6	15.45	476068	20.0
Octadecanal	15.62	6.2	ng	147060	6	15.45	476068	20.0
Oxirane, hexadecyl-	16.62	4.3	ng	103633	6	15.45	476068	20.0
Picene	17.09	3.8	ng	90566	6	15.45	476068	20.0
Indeno[1,2,3-cd]f...	17.63	4.0	ng	94426	6	15.45	476068	20.0