LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\
Data File : BF100093.D
Acq On : 2 Nov 2017 19:01
Operator : SJ/JU
Sample : I6253-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-01-103117

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	4.987	490	493	506	rBV	160794	269783	7.17%	0.866%
2	5.392	559	562	588	rBV	1400478	1650701	43.86%	5.301%
3	6.416	733	736	754	rBV	1503341	1679315	44.62%	5.392%
4	6.545	754	758	766	rVB	1736681	1723356	45.79%	5.534%
5	6.769	793	796	805	rBV	551357	485034	12.89%	1.557%
6	6.922	819	822	838	rBV	1539273	1383251	36.75%	4.442%
7	7.339	890	893	912	rBV	1035284	1026624	27.28%	3.297%
8	8.051	1011	1014	1025	rBV	775882	696390	18.50%	2.236%
9	9.122	1192	1196	1200	rBV	2136652	1866888	49.60%	5.995%
10	9.498	1257	1260	1261	rBV	62999	55181	1.47%	0.177%
11	9.522	1261	1264	1271	rVB	422591	351915	9.35%	1.130%
12	9.669	1285	1289	1293	rBV	110971	101226	2.69%	0.325%
13	9.792	1304	1310	1312	rBV	3344872	3763821	100.00%	12.086%
14	9.839	1316	1318	1320	rVV	79154	71372	1.90%	0.229%
15	9.863	1320	1322	1326	rVB	83637	66644	1.77%	0.214%
16	9.980	1336	1342	1344	rBV	1836753	1596514	42.42%	5.127%
17	10.004	1344	1346	1351	rVB2	179002	194399	5.16%	0.624%
18	10.057	1351	1355	1358	rBV	2000948	1660756	44.12%	5.333%
19	10.221	1376	1383	1388	rBV4	34772	41463	1.10%	0.133%
20	10.357	1403	1406	1412	rVB	86026	83704	2.22%	0.269%
21	10.521	1431	1434	1439	rVB	100291	98782	2.62%	0.317%
22	10.598	1443	1447	1460	rBV	1009666	980895	26.06%	3.150%
23	10.692	1460	1463	1471	rBV3	51540	81816	2.17%	0.263%
24	10.904	1492	1499	1502	rBV3	30088	44283	1.18%	0.142%
25	11.139	1537	1539	1542	rBV2	55425	45185	1.20%	0.145%
26	11.298	1562	1566	1568	rBV	696253	631400	16.78%	2.027%
27	11.321	1568	1570	1574	rVB	513444	413768	10.99%	1.329%
28	11.374	1576	1579	1583	rVV	196795	165421	4.40%	0.531%
29	11.627	1617	1622	1626	rBV	28673	43429	1.15%	0.139%
30	11.798	1648	1651	1654	rBV	92983	118624	3.15%	0.381%
31	11.827	1654	1656	1662	rVV	118019	114690	3.05%	0.368%
32	11.880	1662	1665	1667	rVV	50780	50996	1.35%	0.164%
33	11.910	1667	1670	1673	rVV	156395	170166	4.52%	0.546%
34	11.933	1673	1674	1678	rVV	58688	42380	1.13%	0.136%

LSC Area Percent Report

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Data File : BF100093.D
Acq On : 2 Nov 2017 19:01
Operator : SJ/JU
Sample : I6253-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-01-103117

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	11.974	1678	1681	1683	rVB	58587	44069	1.17%	0.142%
36	12.092	1698	1701	1705	rBV	63178	62332	1.66%	0.200%
37	12.351	1741	1745	1753	rBV4	92148	203466	5.41%	0.653%
38	12.457	1761	1763	1767	rVB3	50219	60825	1.62%	0.195%
39	12.515	1769	1773	1777	rBV	752150	656903	17.45%	2.109%
40	12.615	1787	1790	1795	rVB	39810	50674	1.35%	0.163%
41	12.668	1795	1799	1801	rBV	56950	64893	1.72%	0.208%
42	12.745	1805	1812	1818	rVV	769299	832715	22.12%	2.674%
43	12.798	1818	1821	1824	rVB	43731	42048	1.12%	0.135%
44	12.874	1831	1834	1838	rBV	1249062	1211008	32.17%	3.889%
45	12.962	1845	1849	1855	rBV4	57237	98240	2.61%	0.315%
46	13.074	1861	1868	1873	rVB3	134948	253927	6.75%	0.815%
47	13.139	1877	1879	1882	rVB	100171	79722	2.12%	0.256%
48	13.180	1882	1886	1890	rBV2	90152	109830	2.92%	0.353%
49	13.274	1899	1902	1904	rBV	73082	70227	1.87%	0.226%
50	13.304	1904	1907	1910	rVB	81777	71351	1.90%	0.229%
51	13.433	1925	1929	1934	rBV4	40238	57818	1.54%	0.186%
52	13.698	1972	1974	1976	rBV	72384	71223	1.89%	0.229%
53	13.715	1976	1977	1980	rVV	65744	53191	1.41%	0.171%
54	13.757	1980	1984	1990	rVV4	123945	190324	5.06%	0.611%
55	13.809	1991	1993	1997	rVB2	42202	48428	1.29%	0.156%
56	13.945	2011	2016	2019	rBV2	647958	935961	24.87%	3.005%
57	13.974	2019	2021	2027	rVB	389130	349079	9.27%	1.121%
58	14.057	2032	2035	2037	rBV	99355	88614	2.35%	0.285%
59	14.115	2042	2045	2050	rVB3	60435	62530	1.66%	0.201%
60	14.168	2051	2054	2056	rBV2	32831	38844	1.03%	0.125%
61	14.333	2077	2082	2086	rVB	90768	115557	3.07%	0.371%
62	14.374	2086	2089	2092	rBV2	49499	60616	1.61%	0.195%
63	14.462	2102	2104	2105	rBV	57666	46148	1.23%	0.148%
64	14.527	2110	2115	2119	rVB3	46622	75348	2.00%	0.242%
65	14.680	2139	2141	2145	rVB2	64394	61728	1.64%	0.198%
66	14.986	2189	2193	2196	rBV	469121	663684	17.63%	2.131%
67	15.098	2209	2212	2217	rVB	95304	106625	2.83%	0.342%
68	15.286	2240	2244	2250	rVB	307400	344464	9.15%	1.106%
69	15.351	2251	2255	2261	rVV	447607	577908	15.35%	1.856%
70	15.409	2261	2265	2268	rVV	350203	402669	10.70%	1.293%
71	15.445	2268	2271	2276	rVB	110772	148597	3.95%	0.477%

LSC Area Percent Report

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Data File : BF100093.D
Acq On : 2 Nov 2017 19:01
Operator : SJ/JU
Sample : I6253-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-01-103117

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	16.256	2406	2409	2412	rBV3	32936	50349	1.34%	0.162%
73	16.880	2510	2515	2525	rVB	168884	305622	8.12%	0.981%
74	17.050	2541	2544	2549	rVB4	36942	59170	1.57%	0.190%
75	17.327	2586	2591	2603	rVB	154029	323488	8.59%	1.039%
76	17.480	2614	2617	2628	rVB9	45481	109982	2.92%	0.353%
77	17.592	2632	2636	2644	rVB2	46886	111906	2.97%	0.359%

Sum of corrected areas: 31142275

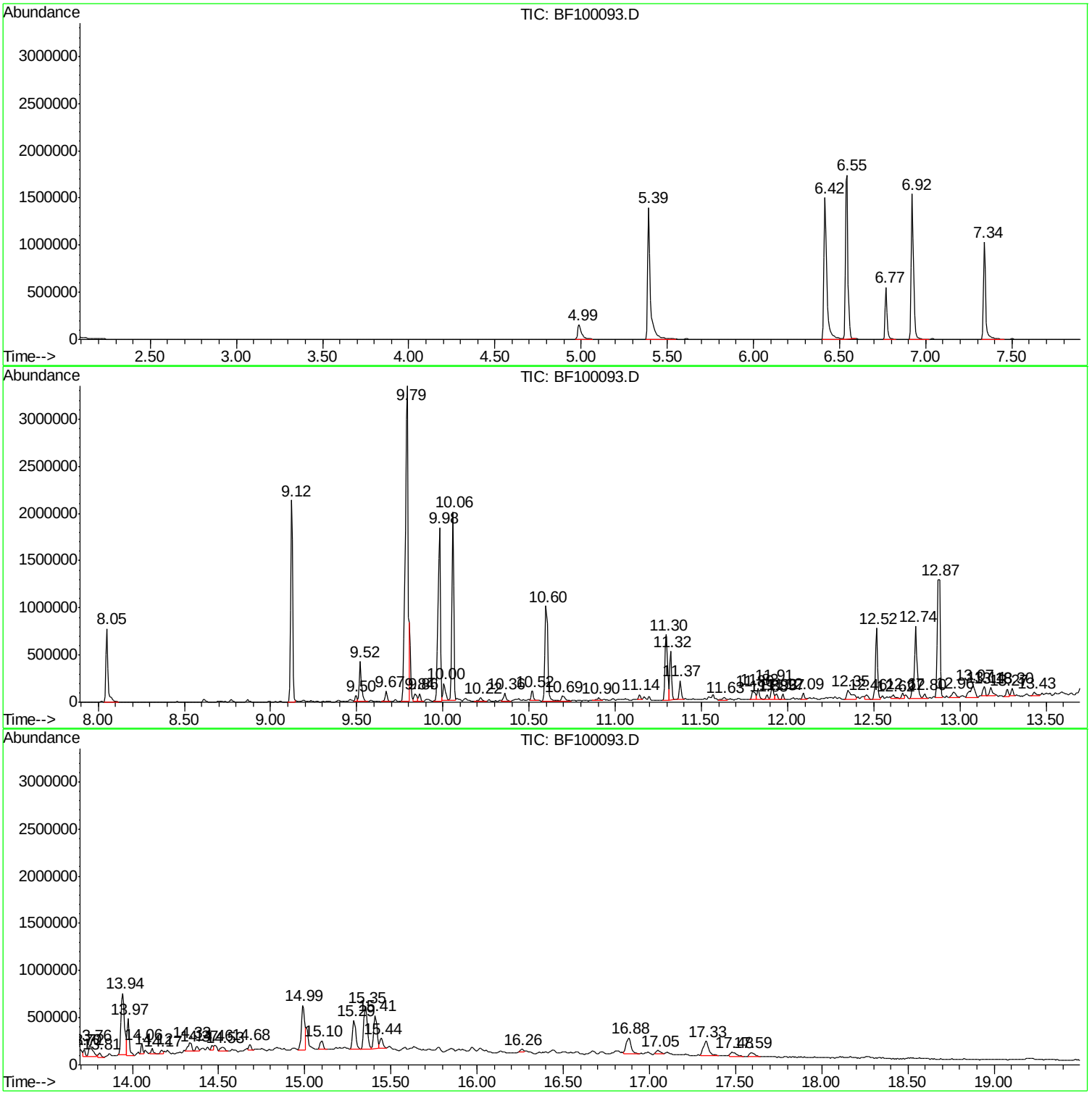
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\
Data File : BF100093.D
Acq On : 2 Nov 2017 19:01
Operator : SJ/JU
Sample : I6253-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SA-01-103117

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 : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\
Data File : BF100093.D
Acq On : 2 Nov 2017 19:01
Operator : SJ/JU
Sample : I6253-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-01-103117

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

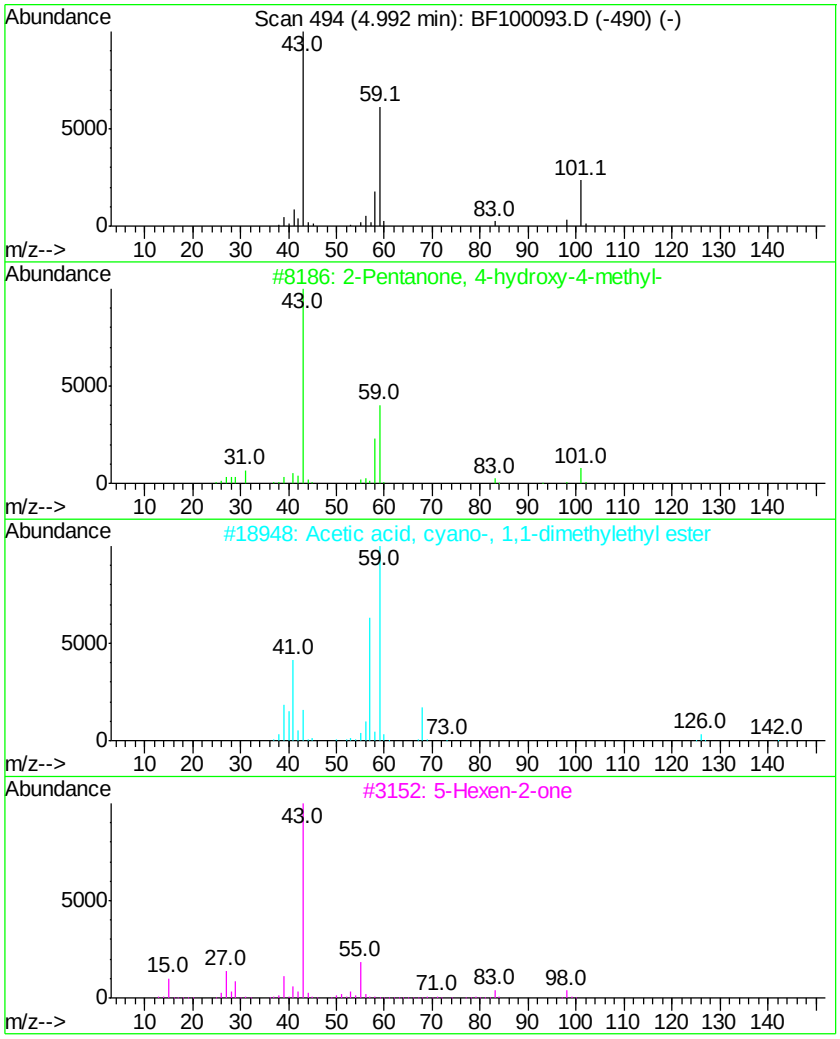
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

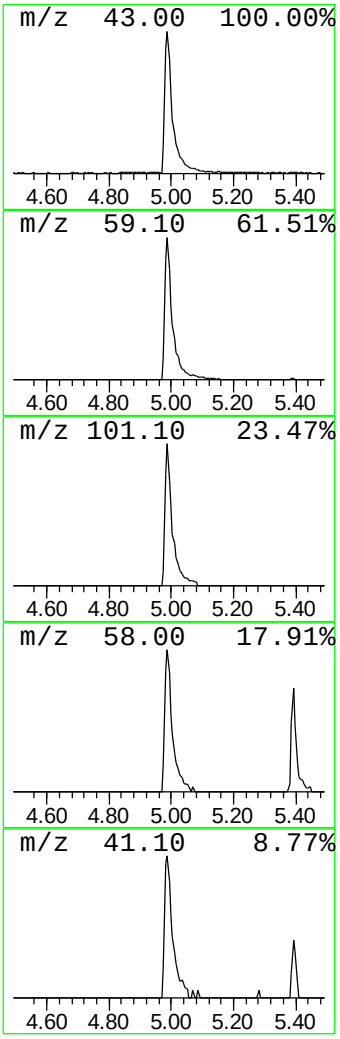
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.99	11.12 ng	269783	1,4-Dichlorobenzene-d4	6.77

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	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Guanidine	59	CH5N3	000113-00-8	9





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\
Data File : BF100093.D
Acq On : 2 Nov 2017 19:01
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Sample : I6253-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-01-103117

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

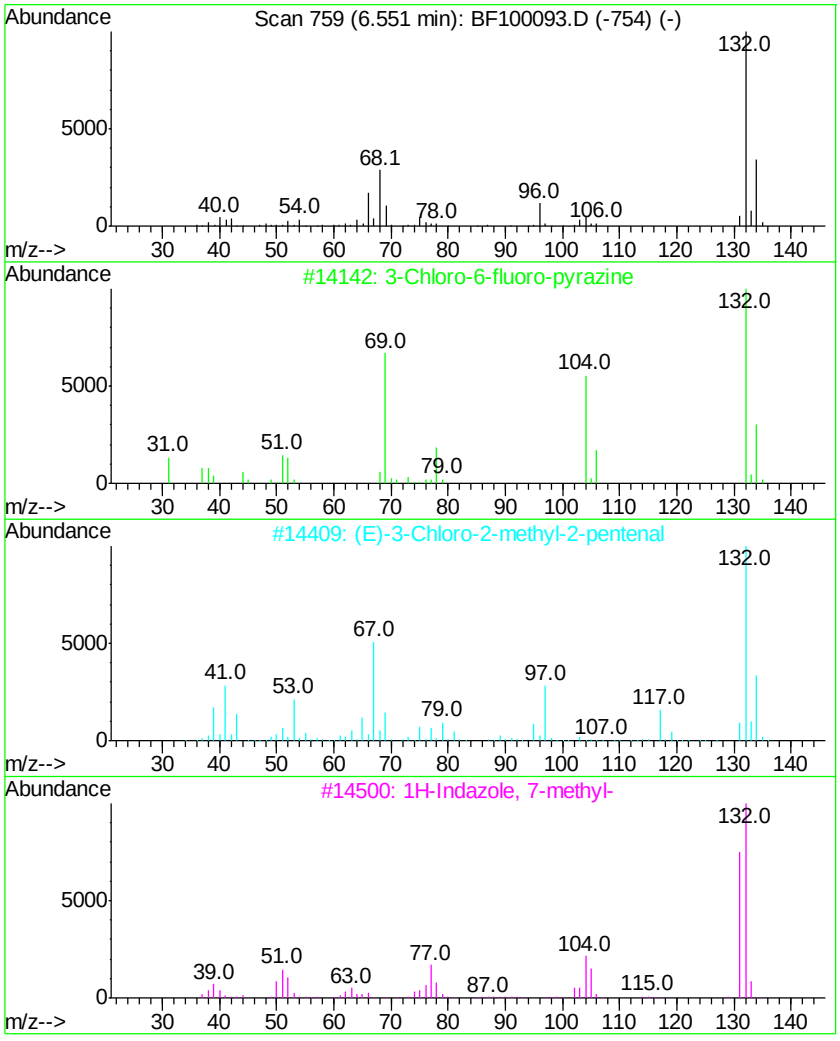
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

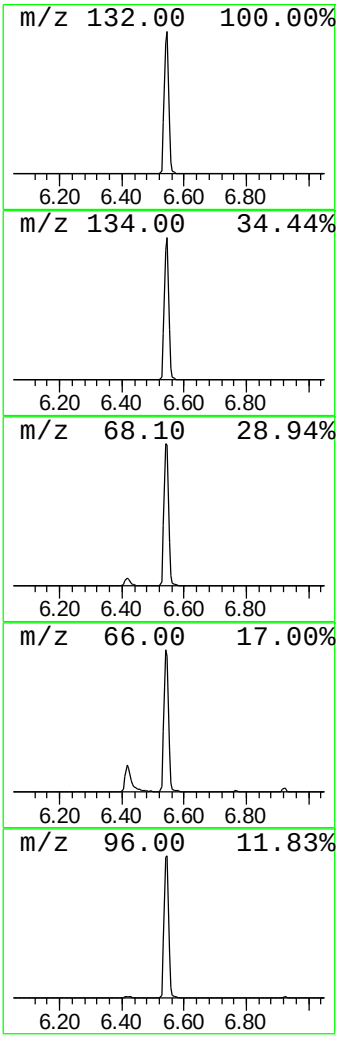
****

Peak Number 2 unknown6.55 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.55	71.06 ng	1723360	1,4-Dichlorobenzene-d4	6.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	1H-Indazole, 7-methyl-	132	C8H8N2	1000316-00-7	10
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF110217\
Data File : BF100093.D
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Sample : I6253-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-01-103117

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
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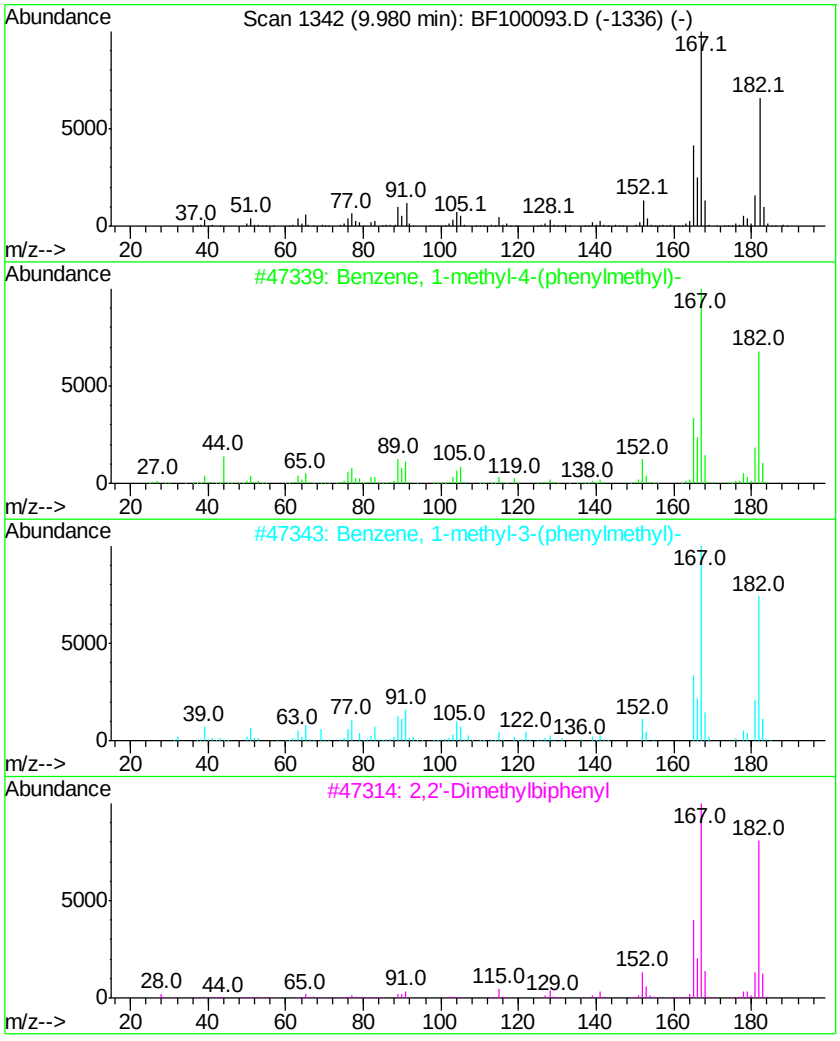
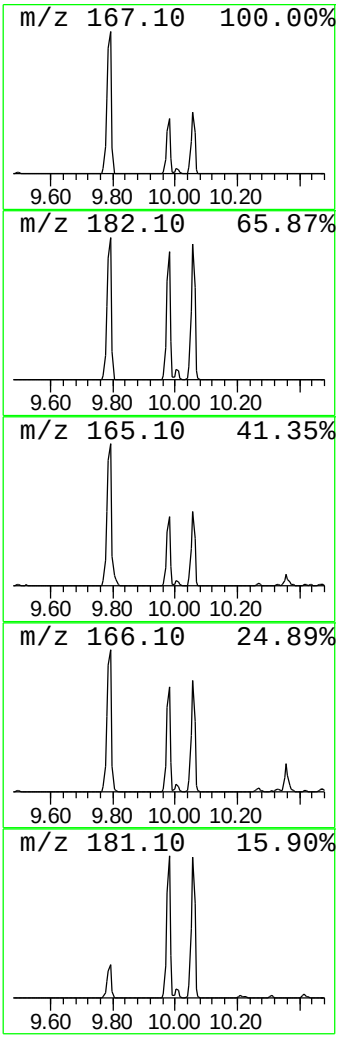
****

Peak Number 4 Benzene, 1-methyl-4-(phenyl... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.98	8.48 ng	1596510	Acenaphthene-d10	9.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(phenylmethyl)-	182	C14H14	000620-83-7	97
2	Benzene, 1-methyl-3-(phenylmethyl)-	182	C14H14	000620-47-3	94
3	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	93
4	1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	91
5	1,1'-Biphenyl, 2,4'-dimethyl-	182	C14H14	000611-61-0	90





Library Search Compound Report

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Acq On : 2 Nov 2017 19:01
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Instrument : BNA_F
ClientSampleId : SA-01-103117

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
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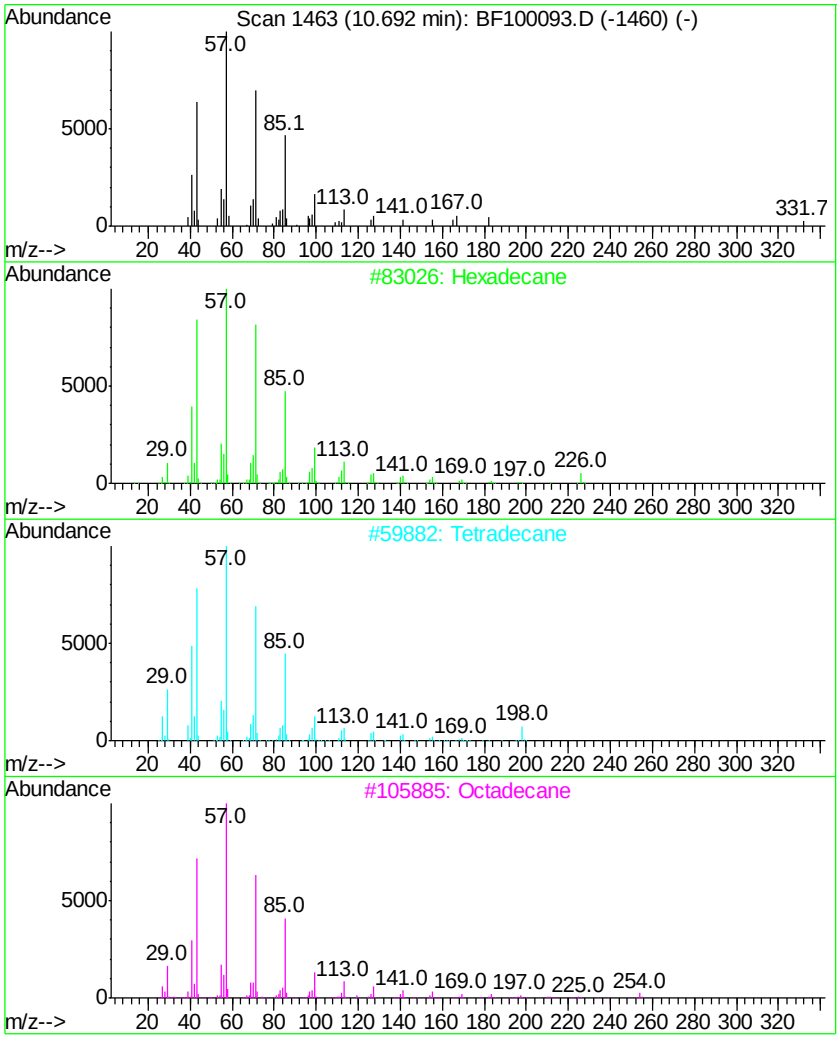
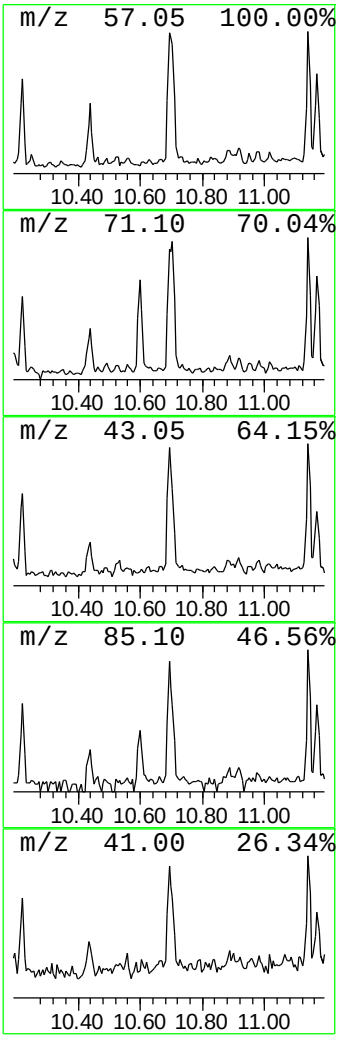
Peak Number 6 Hexadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.69	2.59 ng	81816	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	87
2	Tetradecane	198	C14H30	000629-59-4	87
3	Octadecane	254	C18H38	000593-45-3	86
4	Heptadecane	240	C17H36	000629-78-7	86
5	Heneicosane	296	C21H44	000629-94-7	83





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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-01-103117

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

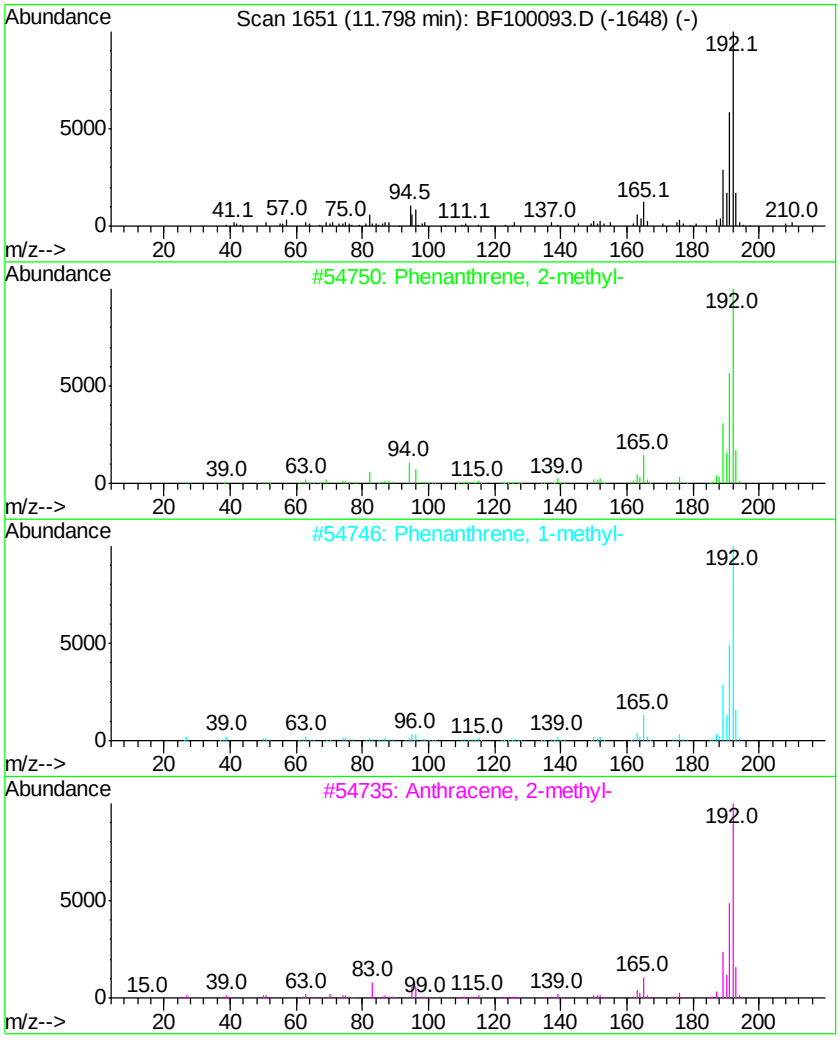
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

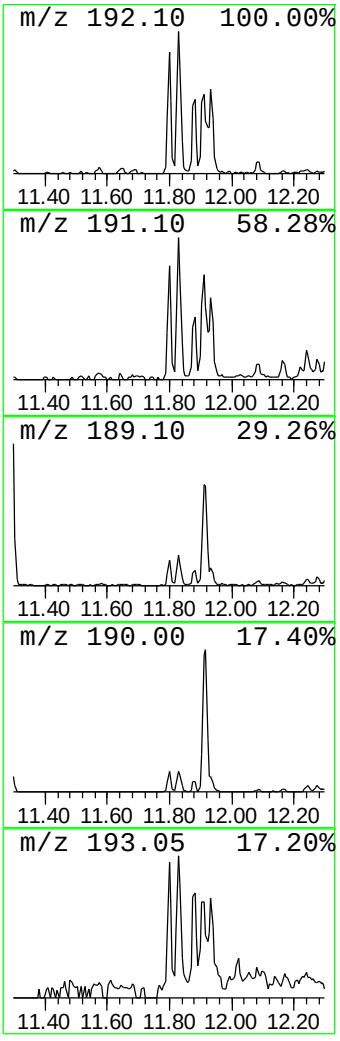
****

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	3.76 ng	118624	Phenanthrene-d10	11.30

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	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Library Search Compound Report

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Data File : BF100093.D
Acq On : 2 Nov 2017 19:01
Operator : SJ/JU
Sample : I6253-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-01-103117

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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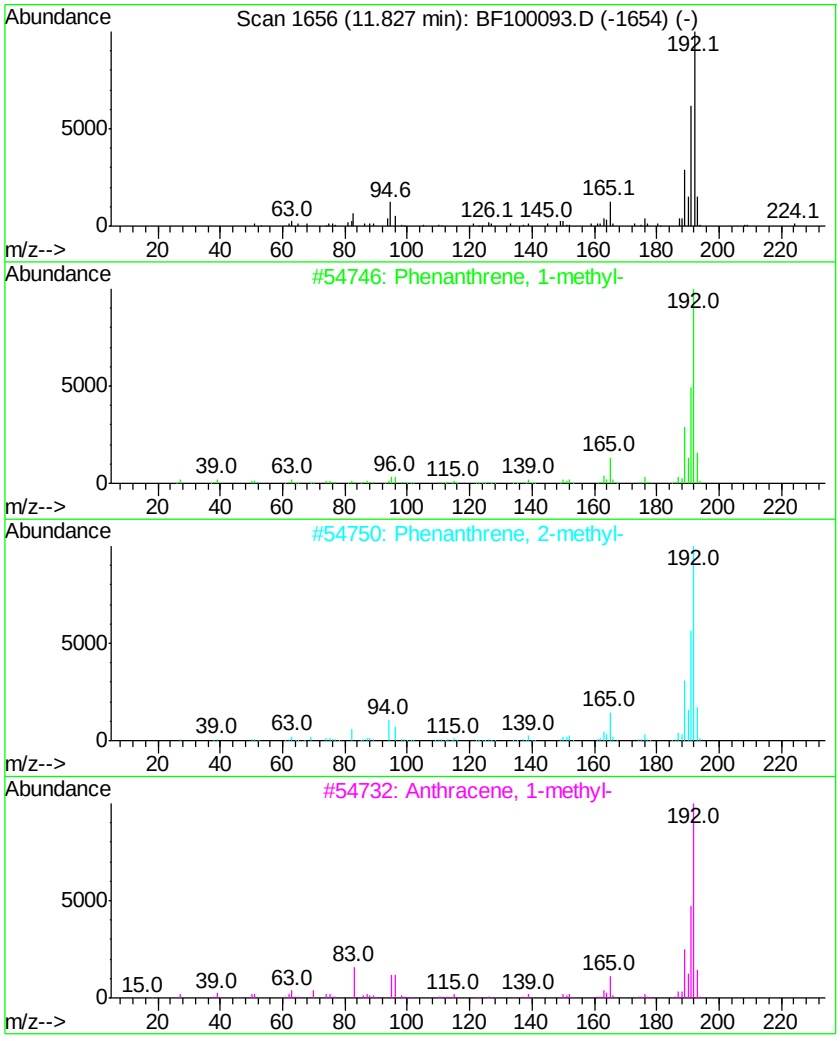
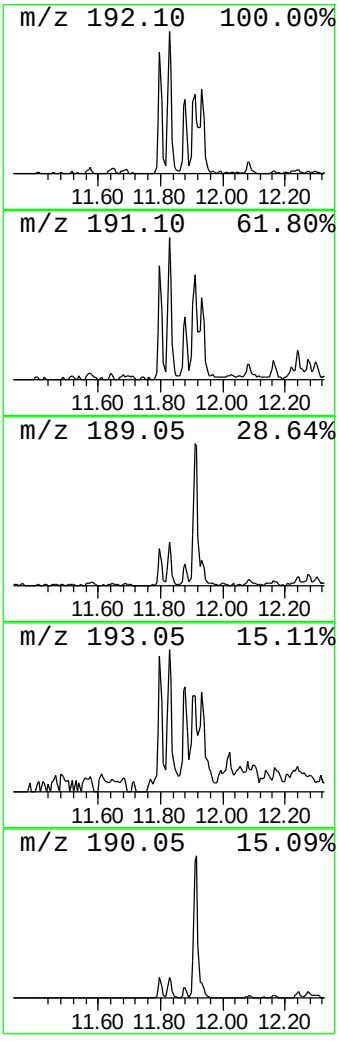
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	3.63 ng	114690	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83





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Operator : SJ/JU
Sample : I6253-01
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ClientSampleId : SA-01-103117

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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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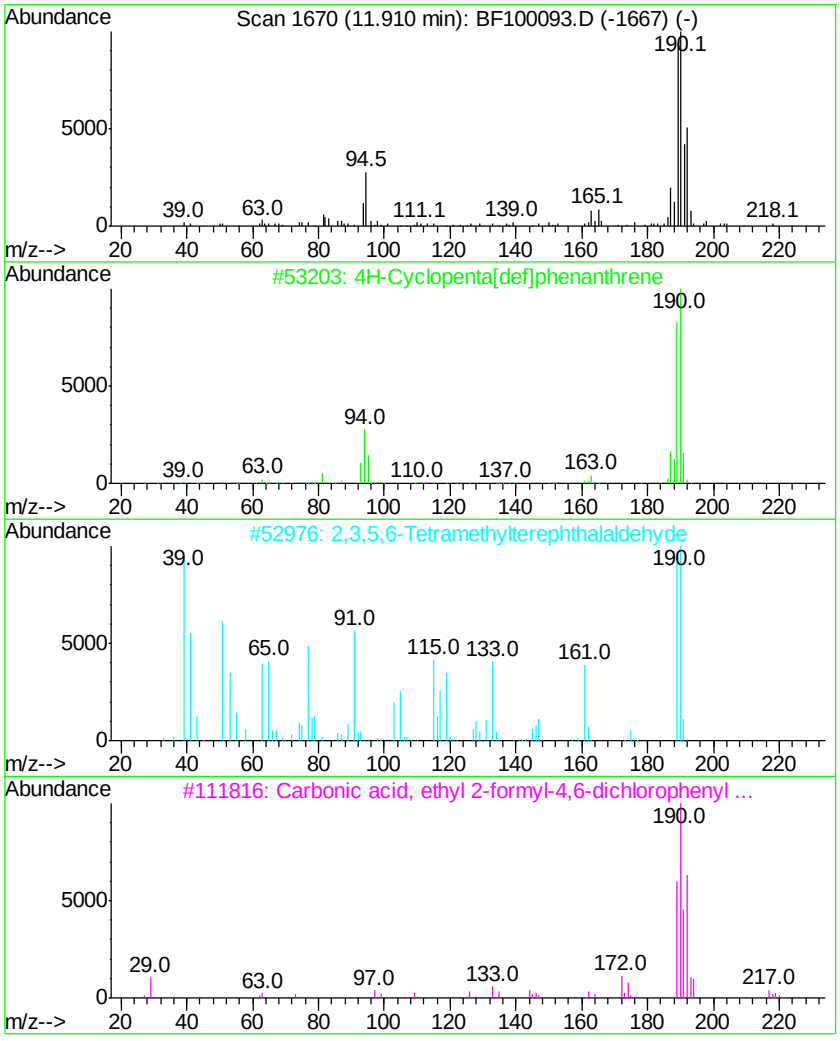
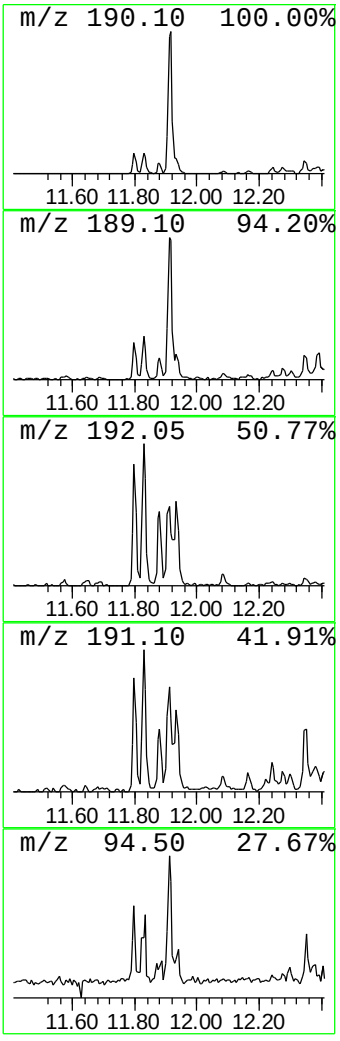
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	5.39 ng	170166	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	95
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	40
4	Methyl diselenide	190	C2H6Se2	007101-31-7	35
5	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	30





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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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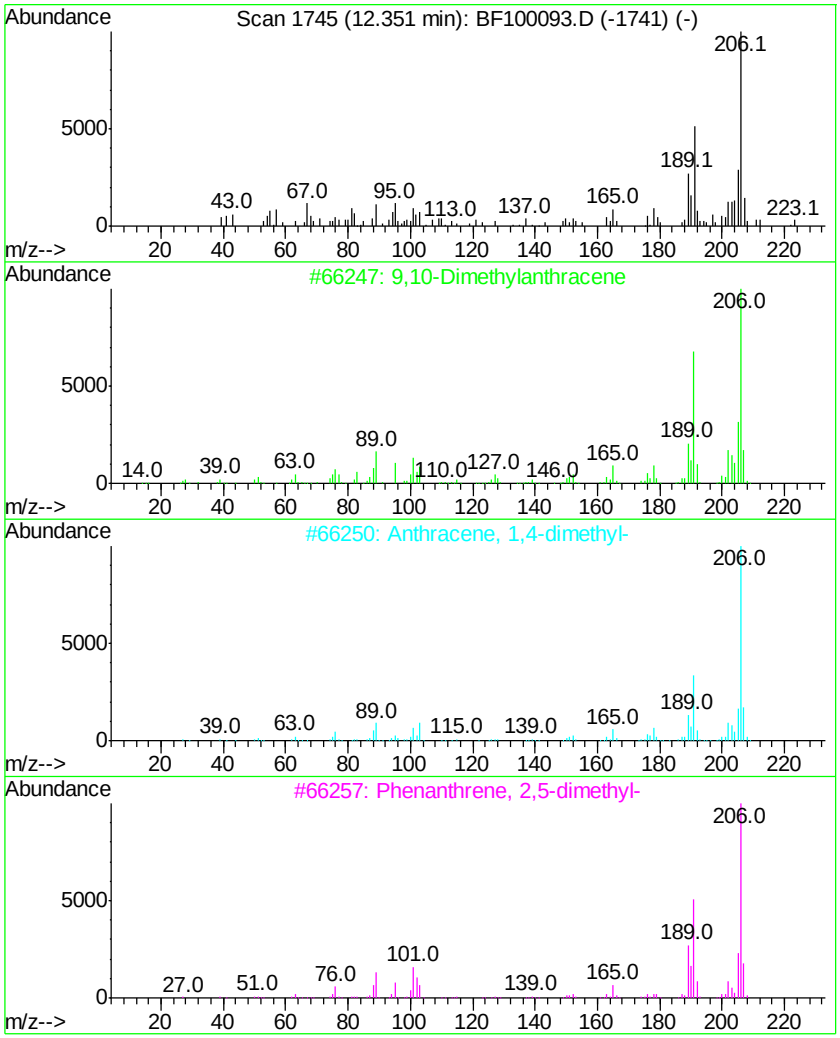
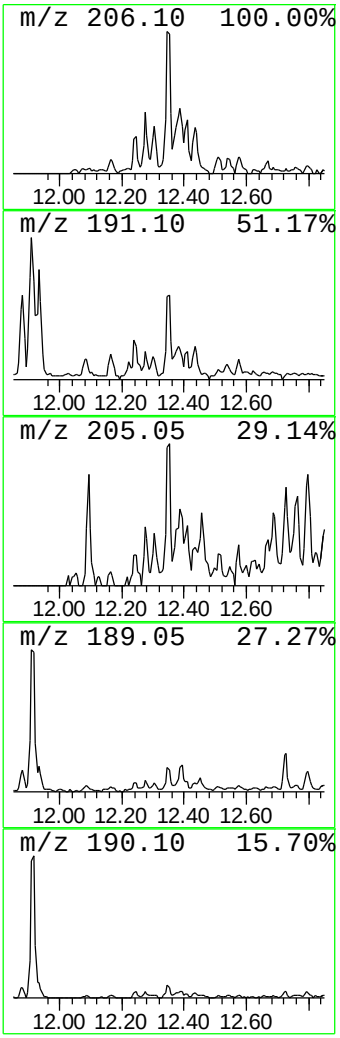
Peak Number 10 9,10-Dimethylanthracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	6.44 ng	203466	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	98
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	87





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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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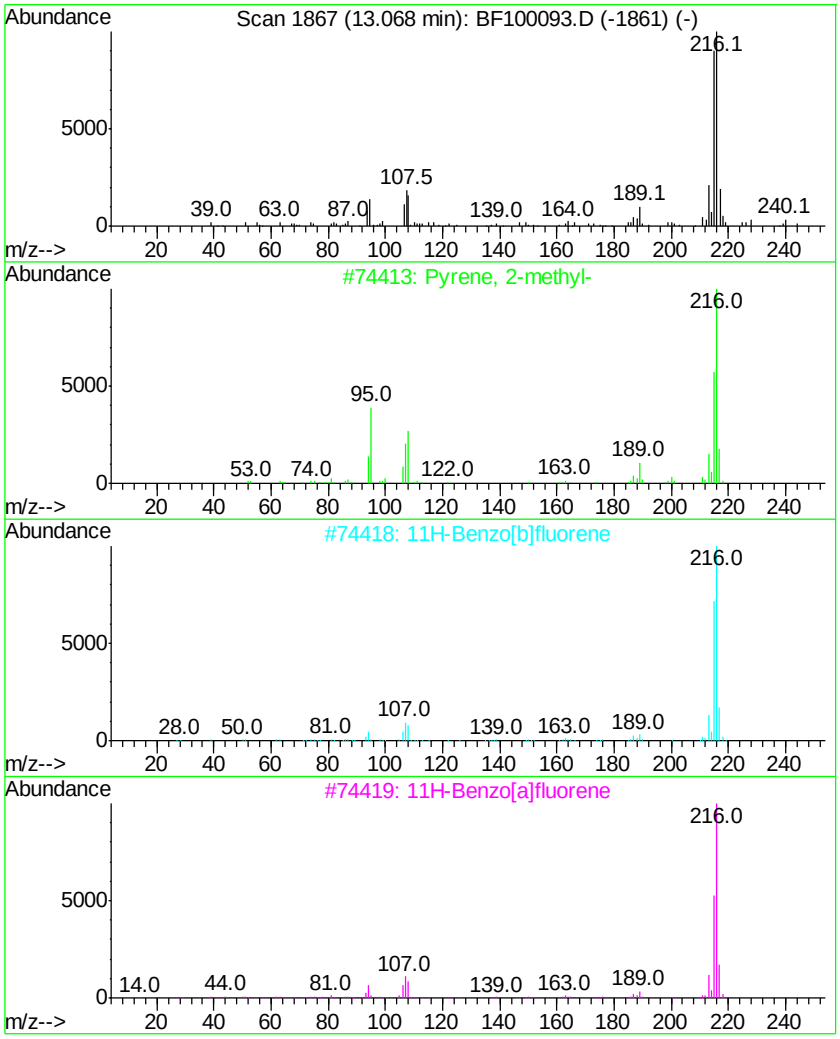
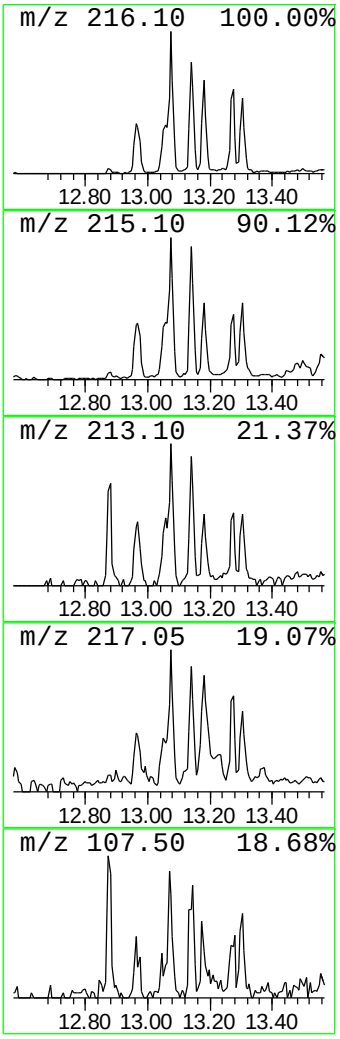
Peak Number 11 Pyrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	5.43 ng	253927	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





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TIC Library : C:\DATABASE\NIST11.L
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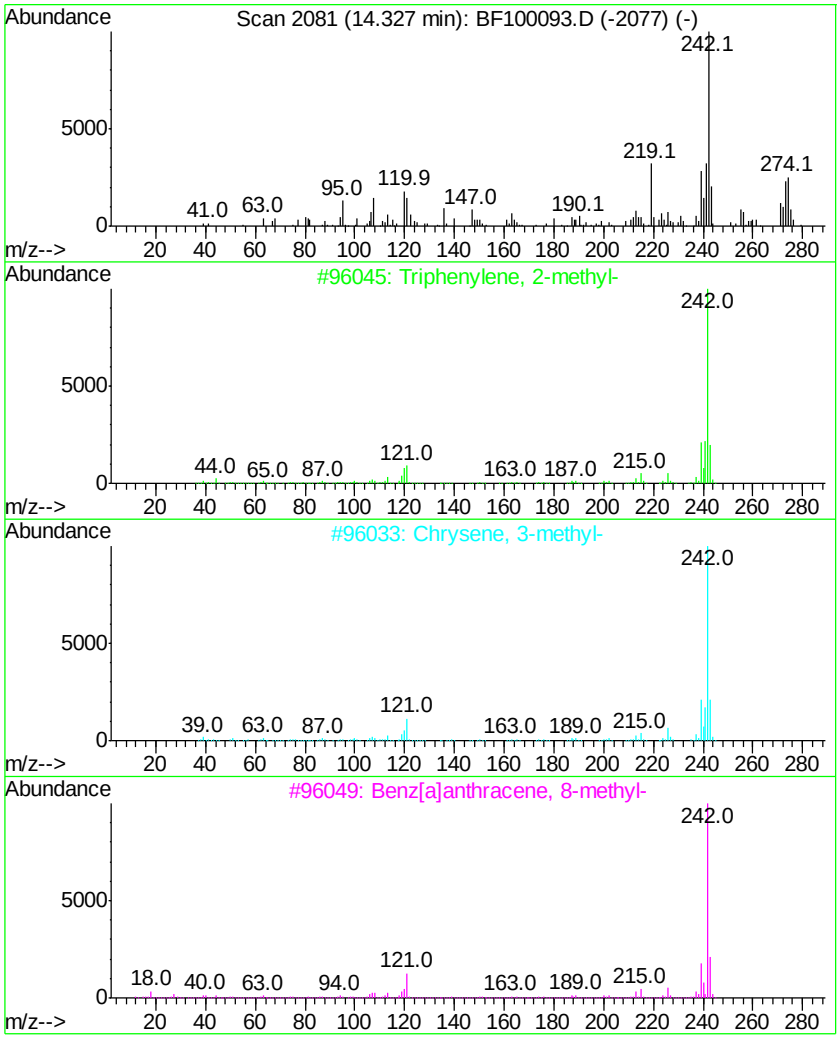
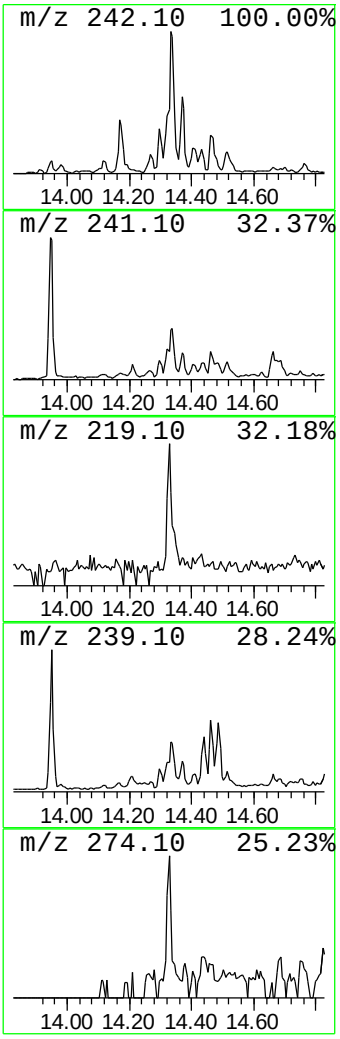
Peak Number 13 Triphenylene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.33	2.47 ng	115557	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	97
2	Chrysene, 3-methyl-	242	C19H14	003351-31-3	96
3	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	96
4	Benz[a]anthracene, 11-methyl-	242	C19H14	006111-78-0	93
5	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	93





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TIC Library : C:\DATABASE\NIST11.L
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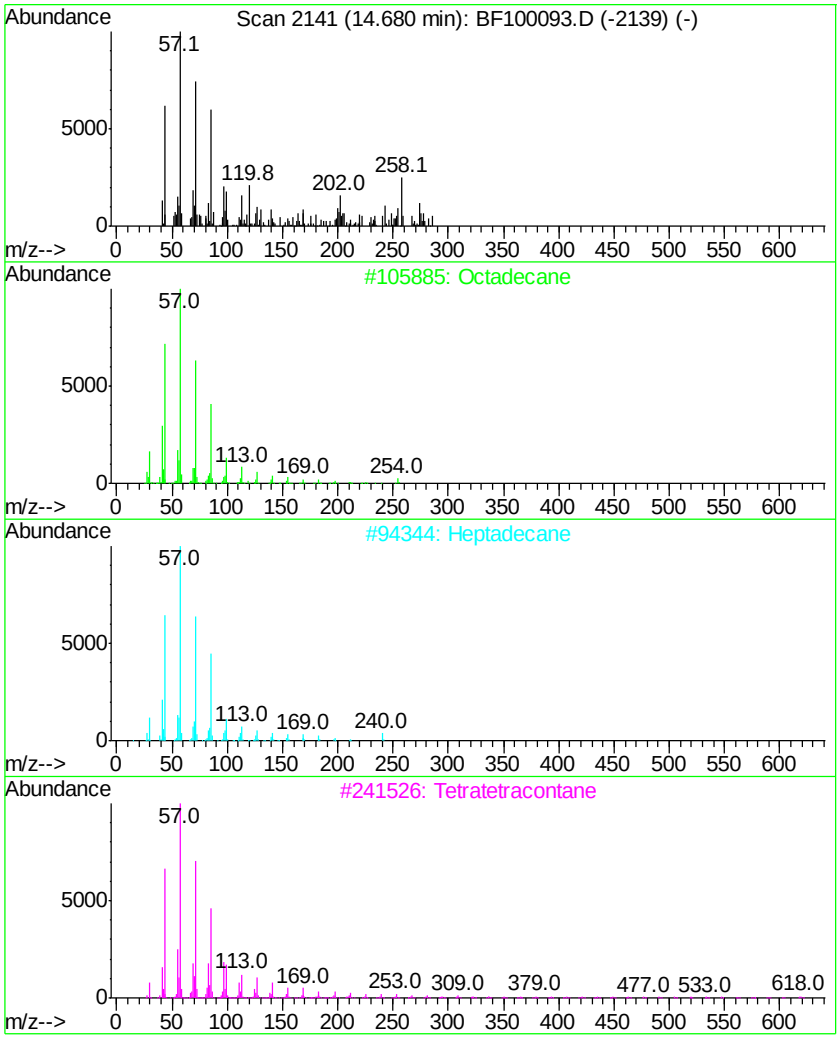
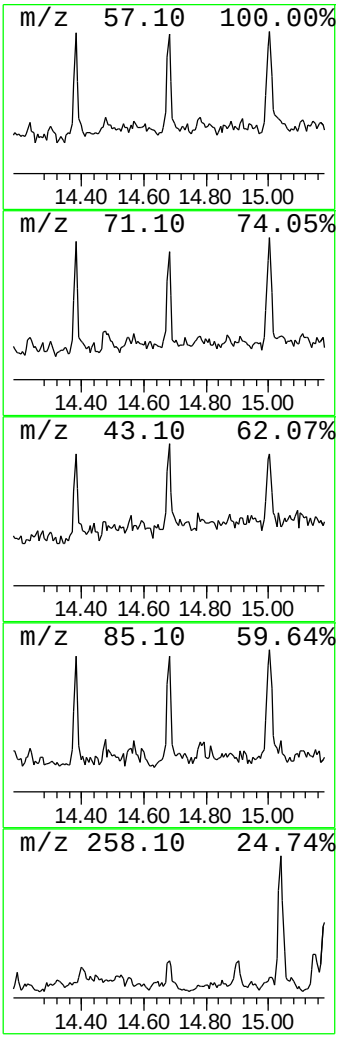
Peak Number 14 Octadecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	3.07 ng	61728	Perylene-d12	15.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	60
2	Heptadecane	240	C17H36	000629-78-7	55
3	Tetratetracontane	619	C44H90	007098-22-8	50
4	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	49
5	Hexacosane	366	C26H54	000630-01-3	49





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TIC Library : C:\DATABASE\NIST11.L
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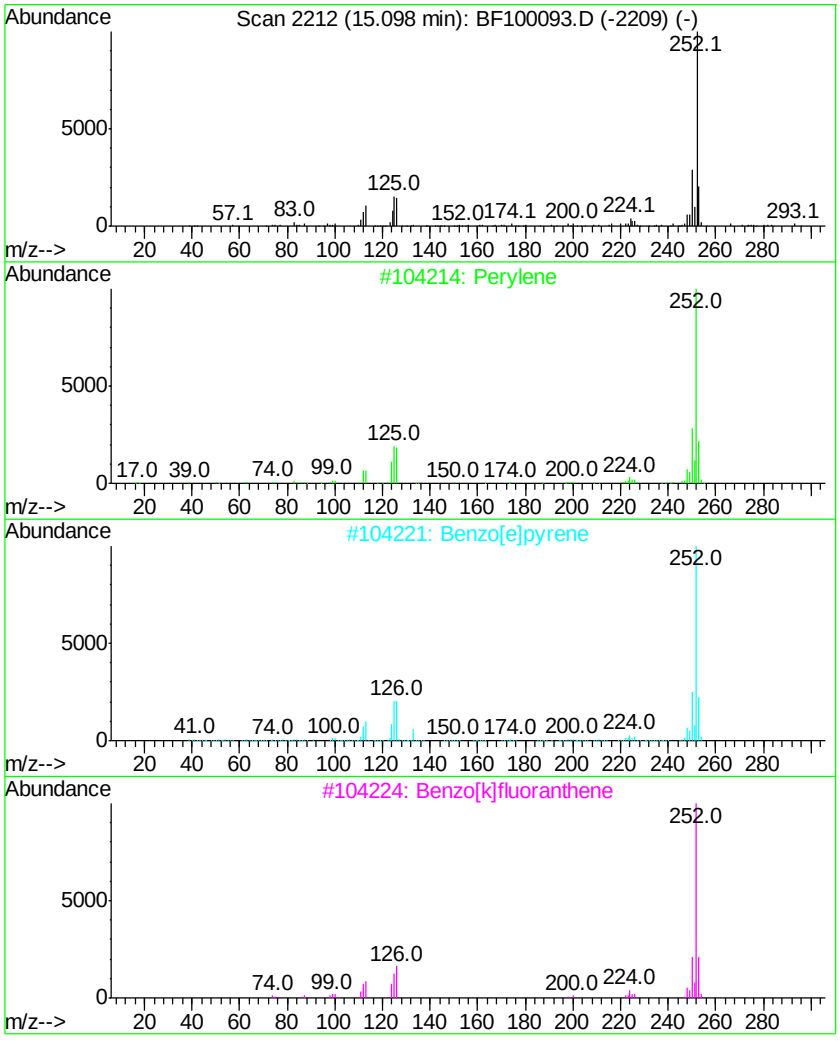
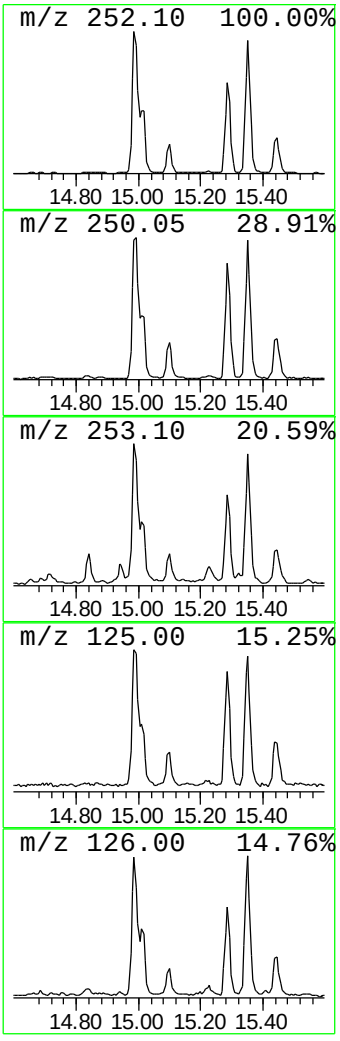
Peak Number 15 Perylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.10	5.30 ng	106625	Perylene-d12	15.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	96
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96





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Misc :
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Instrument : BNA_F
ClientSampleId : SA-01-103117

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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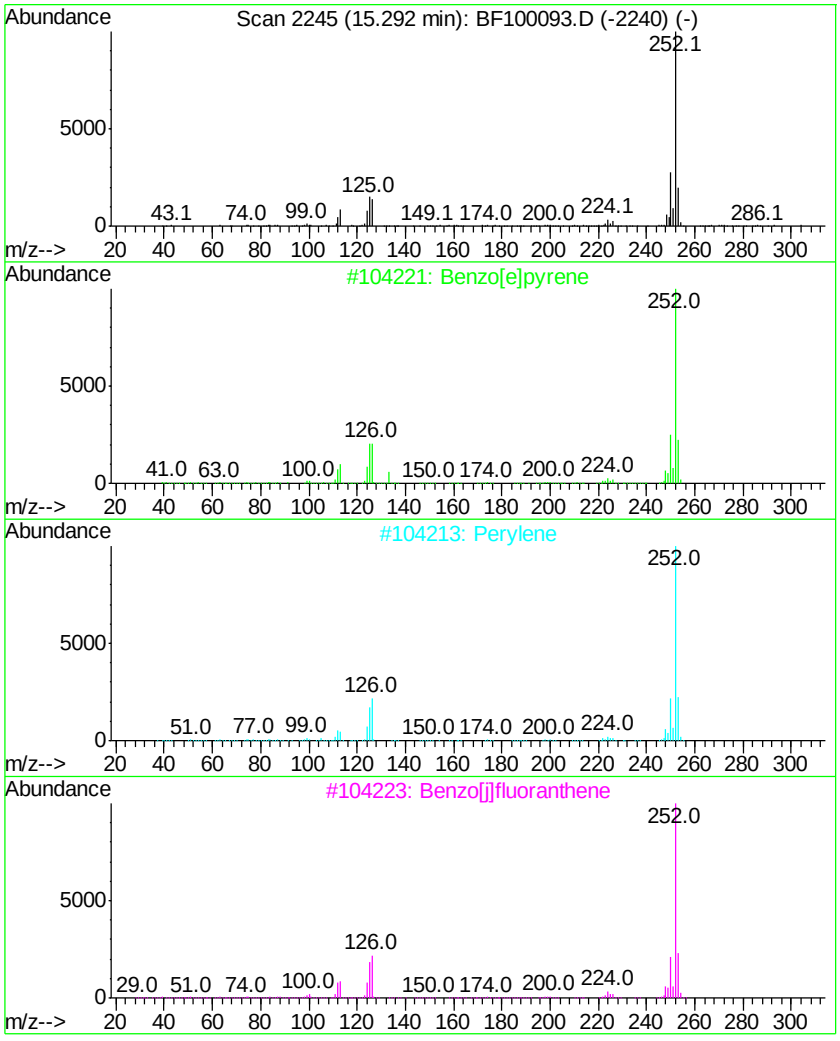
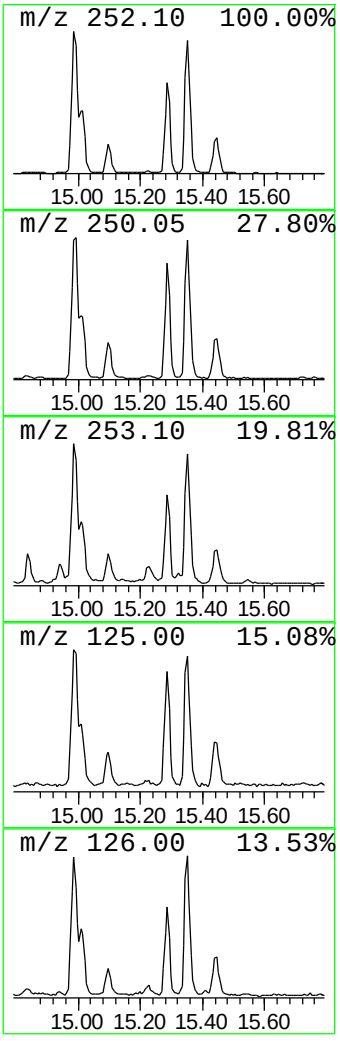
Peak Number 16 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	17.11 ng	344464	Perylene-d12	15.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	96
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





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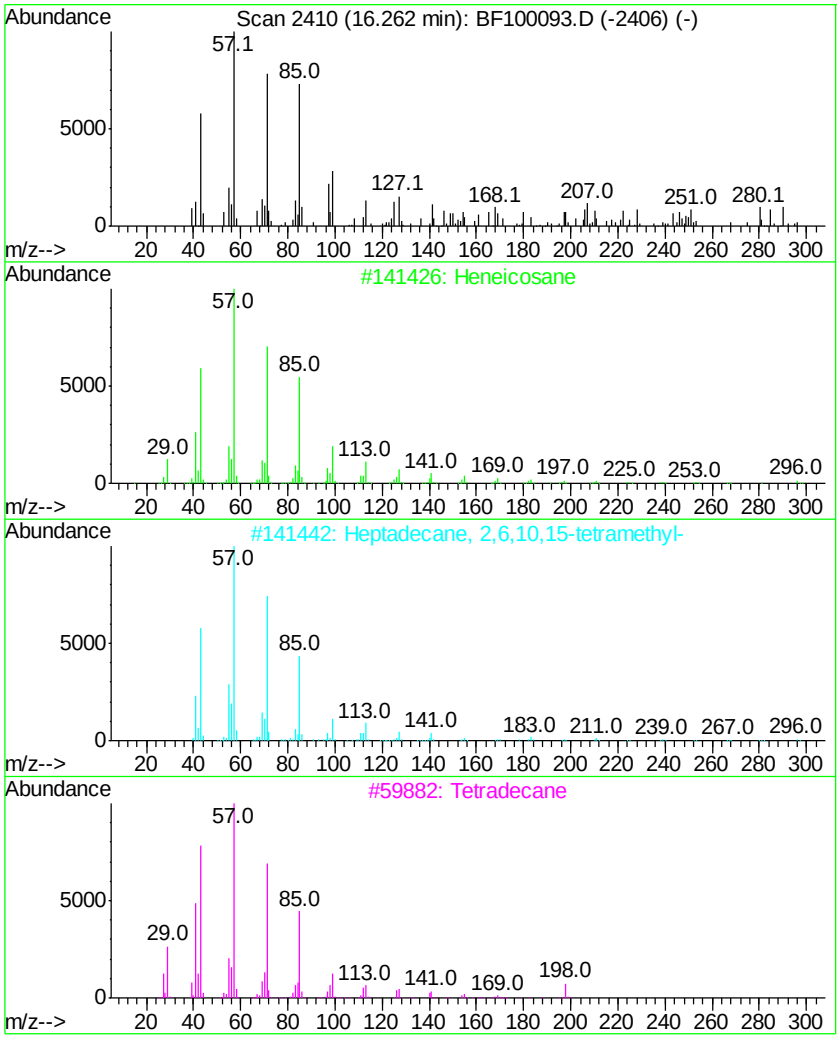
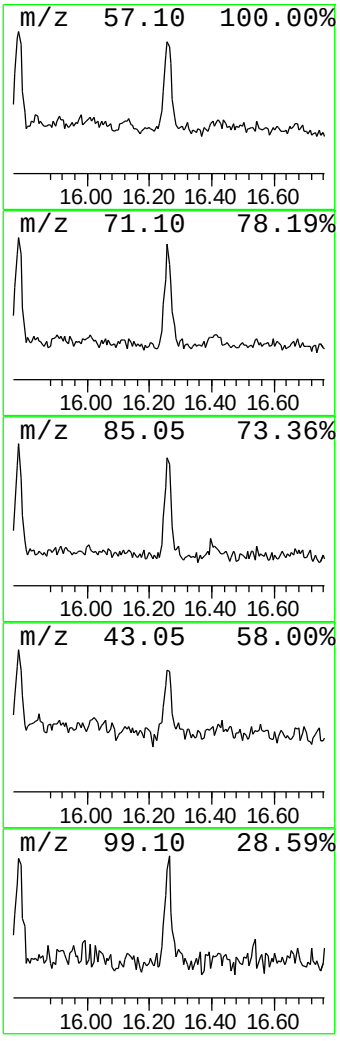
Peak Number 17 Heneicosane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.26	2.50 ng	50349	Perylene-d12	15.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	83
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	83
3	Tetradecane	198	C14H30	000629-59-4	81
4	Tricosane, 2-methyl-	338	C24H50	001928-30-9	80
5	Tridecane, 6-propyl-	226	C16H34	055045-10-8	74





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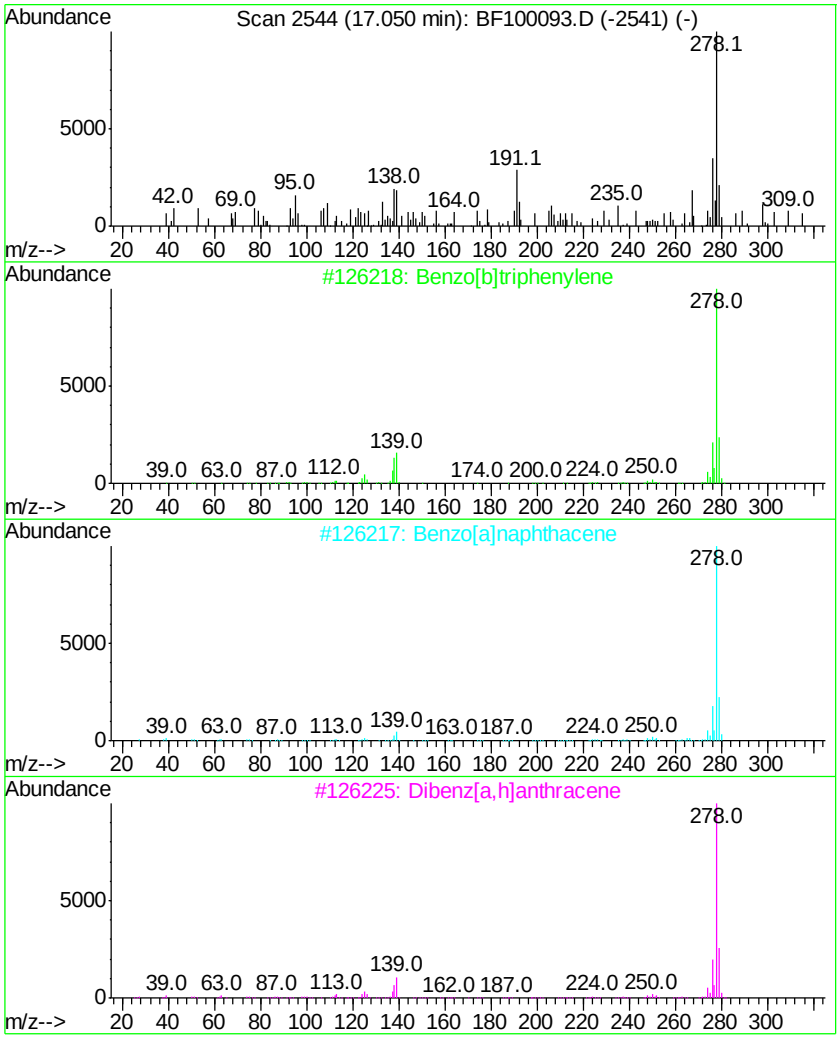
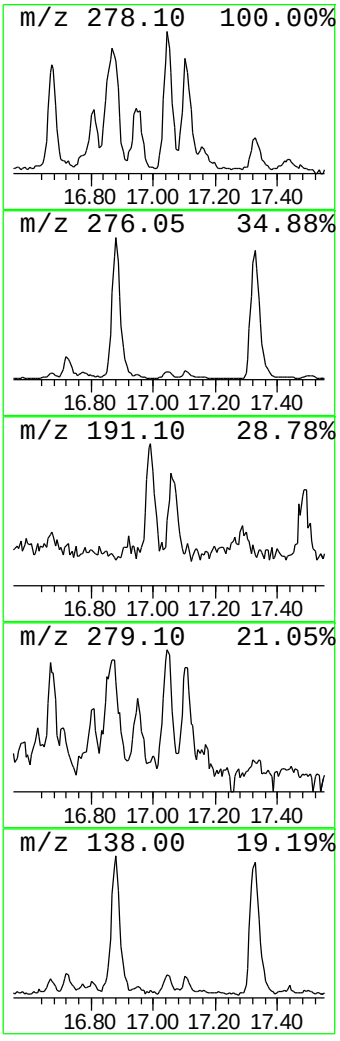
Peak Number 18 Benzo[b]triphenylene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.05	2.94 ng	59170	Perylene-d12	15.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	78
2	Benzo[a]naphthacene	278	C22H14	000226-88-0	70
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	70
4	Picene	278	C22H14	000213-46-7	70
5	1,2-Benzenedicarbonitrile, 4-(4-...	278	C16H10N2O3	1000337-88-7	55





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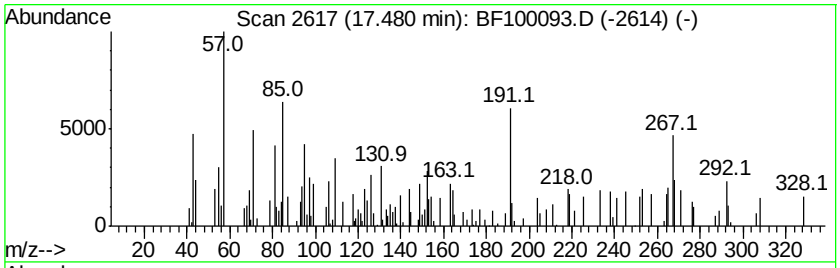
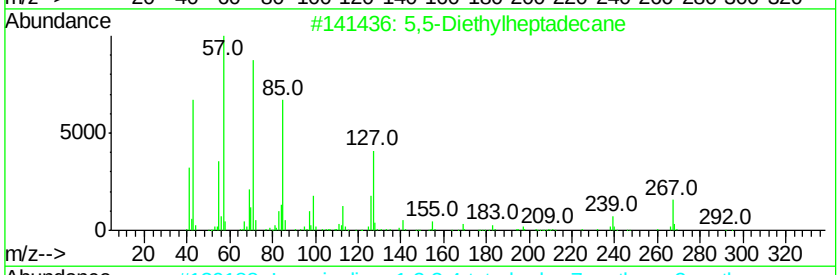
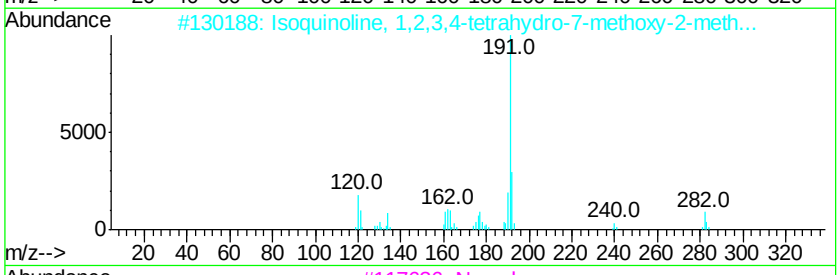
Peak Number 19 unknown17.48 Concentration Rank 9

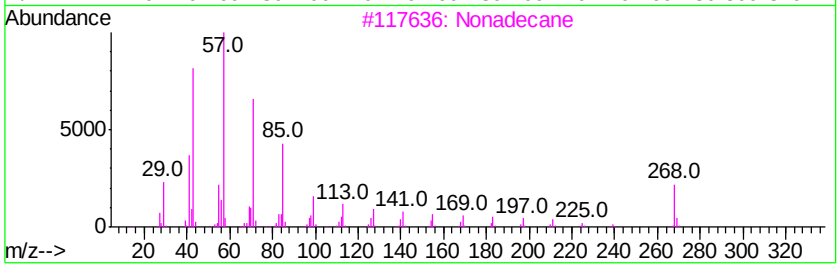
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.48	5.46 ng	109982	Perylene-d12	15.41

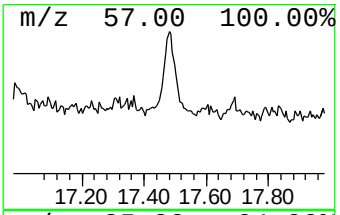
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,5-Diethylheptadecane	296	C21H44	1000360-41-7	12
2	Isoquinoline, 1,2,3,4-tetrahydro...	283	C18H21NO2	036646-87-4	10
3	Nonadecane	268	C19H40	000629-92-5	10
4	Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	10
5	(7a-Isopropenyl-4,5-dimethylocta...	222	C15H26O	1000187-02-9	9

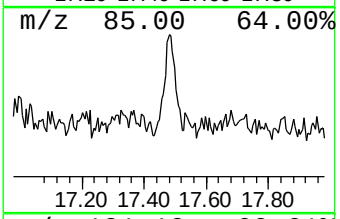


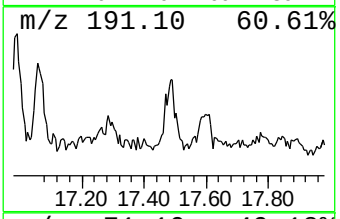


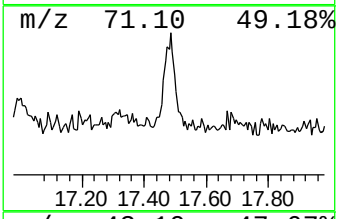


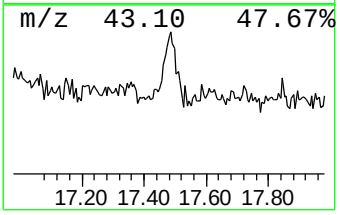












Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF110217\
Data File : BF100093.D
Acq On : 2 Nov 2017 19:01
Operator : SJ/JU
Sample : I6253-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SA-01-103117

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...	4.99	11.1	ng	269783	1	6.77	485034	20.0
unknown6.55	6.55	71.1	ng	1723360	1	6.77	485034	20.0
Benzene, 1-methyl...	9.98	8.5	ng	1596510	3	9.80	3763820	20.0
Hexadecane	10.69	2.6	ng	81816	4	11.30	631400	20.0
Phenanthrene, 2-m...	11.80	3.8	ng	118624	4	11.30	631400	20.0
Phenanthrene, 1-m...	11.83	3.6	ng	114690	4	11.30	631400	20.0
4H-Cyclopenta[def...	11.91	5.4	ng	170166	4	11.30	631400	20.0
9,10-Dimethylanth...	12.35	6.4	ng	203466	4	11.30	631400	20.0
Pyrene, 2-methyl-	13.07	5.4	ng	253927	5	13.95	935961	20.0
Triphenylene, 2-m...	14.33	2.5	ng	115557	5	13.95	935961	20.0
Octadecane	14.68	3.1	ng	61728	6	15.41	402669	20.0
Perylene	15.10	5.3	ng	106625	6	15.41	402669	20.0
Benzo[e]pyrene	15.29	17.1	ng	344464	6	15.41	402669	20.0
Heneicosane	16.26	2.5	ng	50349	6	15.41	402669	20.0
Benzo[b]triphenylene	17.05	2.9	ng	59170	6	15.41	402669	20.0
unknown17.48	17.48	5.5	ng	109982	6	15.41	402669	20.0