LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097045.D
Acq On : 25 Jul 2017 22:44
Operator : SJ/JU
Sample : I4290-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-4

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-BF072517.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	4.675	470	474	492	rVB	247154	475413	10.76%	0.984%
2	5.116	543	549	552	rBV	3359408	4093669	92.62%	8.472%
3	6.169	722	728	739	rBV	3148000	4420089	100.00%	9.147%
4	6.275	741	746	749	rBV	3433387	3949405	89.35%	8.173%
5	6.498	780	784	790	rBV	1059902	896125	20.27%	1.854%
6	6.657	806	811	814	rBV	2775988	2726121	61.68%	5.641%
7	7.069	875	881	884	rBV	2288948	2716165	61.45%	5.621%
8	7.781	998	1002	1005	rBV	1394207	1243942	28.14%	2.574%
9	8.492	1120	1123	1127	rBV	65090	56844	1.29%	0.118%
10	8.592	1135	1140	1143	rVB	48464	45295	1.02%	0.094%
11	8.863	1180	1186	1189	rBV	3100232	3149532	71.25%	6.518%
12	8.957	1199	1202	1206	rVB	74104	58806	1.33%	0.122%
13	9.116	1225	1229	1234	rBV	79815	106912	2.42%	0.221%
14	9.192	1237	1242	1244	rBV	119186	118606	2.68%	0.245%
15	9.216	1244	1246	1249	rVV	87429	71977	1.63%	0.149%
16	9.257	1249	1253	1256	rVV	413380	314833	7.12%	0.652%
17	9.304	1256	1261	1268	rVB2	56306	81599	1.85%	0.169%
18	9.386	1271	1275	1279	rVV	190471	149385	3.38%	0.309%
19	9.528	1294	1299	1302	rBV	1303513	1243864	28.14%	2.574%
20	9.557	1302	1304	1309	rVB2	99045	89497	2.02%	0.185%
21	9.728	1328	1333	1337	rBV2	180578	174101	3.94%	0.360%
22	9.775	1337	1341	1343	rVB	54370	51406	1.16%	0.106%
23	9.845	1349	1353	1355	rBV2	60030	59539	1.35%	0.123%
24	9.933	1364	1368	1370	rBV2	43742	50357	1.14%	0.104%
25	9.980	1373	1376	1378	rVB2	69288	54517	1.23%	0.113%
26	10.069	1388	1391	1394	rVB2	273745	218782	4.95%	0.453%
27	10.151	1398	1405	1408	rBV6	25975	53173	1.20%	0.110%
28	10.228	1415	1418	1421	rVV2	125946	111373	2.52%	0.230%
29	10.316	1425	1433	1436	rBV	2002985	2200748	49.79%	4.554%
30	10.457	1450	1457	1462	rBV2	191067	238859	5.40%	0.494%
31	10.510	1462	1466	1468	rBV	375610	355687	8.05%	0.736%
32	10.539	1468	1471	1474	rVV2	394298	458473	10.37%	0.949%
33	10.575	1474	1477	1479	rVV2	364920	361165	8.17%	0.747%
34	10.598	1479	1481	1483	rVV	216361	187687	4.25%	0.388%

LSC Area Percent Report

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Data File : BF097045.D
Acq On : 25 Jul 2017 22:44
Operator : SJ/JU
Sample : I4290-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-4

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-BF072517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.639	1483	1488	1492	rVV4	147307	308794	6.99%	0.639%
36	10.680	1492	1495	1499	rVV2	245302	297665	6.73%	0.616%
37	10.722	1499	1502	1504	rVV	375108	310531	7.03%	0.643%
38	10.745	1504	1506	1507	rVV	154938	131152	2.97%	0.271%
39	10.763	1507	1509	1512	rVV2	216153	189565	4.29%	0.392%
40	10.810	1515	1517	1521	rVB	163924	125390	2.84%	0.259%
41	10.857	1521	1525	1528	rBV2	69612	79477	1.80%	0.164%
42	10.898	1528	1532	1536	rBV2	114835	122335	2.77%	0.253%
43	10.998	1545	1549	1551	rBV	1141579	1045531	23.65%	2.164%
44	11.022	1551	1553	1557	rVB	1502362	1377335	31.16%	2.850%
45	11.075	1557	1562	1566	rVB	408244	371329	8.40%	0.768%
46	11.116	1566	1569	1572	rBV	43910	46581	1.05%	0.096%
47	11.233	1587	1589	1591	rBV	62963	51783	1.17%	0.107%
48	11.410	1614	1619	1624	rVB3	26736	45311	1.03%	0.094%
49	11.498	1629	1634	1636	rBV	253687	221504	5.01%	0.458%
50	11.527	1636	1639	1642	rVV	344462	285564	6.46%	0.591%
51	11.557	1642	1644	1645	rVV	153186	119710	2.71%	0.248%
52	11.575	1645	1647	1650	rVV	133970	116157	2.63%	0.240%
53	11.604	1650	1652	1655	rVV	310077	334994	7.58%	0.693%
54	11.627	1655	1656	1660	rVB	143283	116796	2.64%	0.242%
55	11.792	1681	1684	1687	rBV	142051	121170	2.74%	0.251%
56	11.822	1687	1689	1693	rVB	88866	74533	1.69%	0.154%
57	11.945	1705	1710	1713	rBV2	49577	62303	1.41%	0.129%
58	11.974	1713	1715	1717	rVV	63039	48366	1.09%	0.100%
59	11.998	1717	1719	1722	rVB2	56449	48457	1.10%	0.100%
60	12.045	1722	1727	1730	rBV	123579	142341	3.22%	0.295%
61	12.080	1730	1733	1735	rVV2	74200	94185	2.13%	0.195%
62	12.133	1739	1742	1750	rVB	149689	158245	3.58%	0.327%
63	12.204	1750	1754	1758	rBV	1511969	1352882	30.61%	2.800%
64	12.298	1767	1770	1773	rVB	96403	86946	1.97%	0.180%
65	12.345	1773	1778	1781	rBV3	83973	125691	2.84%	0.260%
66	12.427	1787	1792	1795	rBV2	1153530	1182656	26.76%	2.447%
67	12.469	1795	1799	1807	rVB2	259616	348983	7.90%	0.722%
68	12.551	1810	1813	1815	rBV	100643	94576	2.14%	0.196%
69	12.586	1815	1819	1822	rVV	1885660	1974315	44.67%	4.086%
70	12.657	1824	1831	1834	rBV3	98230	180838	4.09%	0.374%
71	12.733	1842	1844	1846	rBV3	82871	90488	2.05%	0.187%

LSC Area Percent Report

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Acq On : 25 Jul 2017 22:44
Operator : SJ/JU
Sample : I4290-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-4

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-BF072517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.757	1846	1848	1852	rVB	167776	158903	3.60%	0.329%
73	12.821	1856	1859	1863	rVV2	70361	90219	2.04%	0.187%
74	12.863	1863	1866	1873	rVB	155871	198237	4.48%	0.410%
75	12.951	1878	1881	1884	rVB2	70804	63919	1.45%	0.132%
76	12.980	1884	1886	1891	rBV2	76692	80458	1.82%	0.167%
77	13.263	1932	1934	1939	rVB	132828	120912	2.74%	0.250%
78	13.369	1948	1952	1955	rBV	127596	154033	3.48%	0.319%
79	13.398	1955	1957	1959	rVV	85975	71424	1.62%	0.148%
80	13.474	1967	1970	1972	rBV	131291	119883	2.71%	0.248%
81	13.621	1987	1995	1997	rBV2	950385	1317318	29.80%	2.726%
82	13.645	1997	1999	2002	rVB	416792	348435	7.88%	0.721%
83	13.768	2015	2020	2022	rBV2	73413	84282	1.91%	0.174%
84	14.010	2058	2061	2063	rVB	96088	90479	2.05%	0.187%
85	14.127	2078	2081	2084	rBV2	84439	90377	2.04%	0.187%
86	14.386	2122	2125	2128	rBV3	47209	63486	1.44%	0.131%
87	14.474	2137	2140	2143	rVV2	52284	60052	1.36%	0.124%
88	14.610	2159	2163	2171	rBV	388844	647420	14.65%	1.340%
89	14.704	2176	2179	2188	rVB	183599	207166	4.69%	0.429%
90	14.863	2202	2206	2212	rVB	207596	238629	5.40%	0.494%
91	14.915	2212	2215	2220	rBV	307155	343427	7.77%	0.711%
92	14.968	2220	2224	2227	rBV	543502	617143	13.96%	1.277%
93	15.380	2290	2294	2299	rBV	83161	124275	2.81%	0.257%
94	16.033	2401	2405	2410	rBV3	40301	56583	1.28%	0.117%
95	16.192	2427	2432	2440	rVB2	130873	227506	5.15%	0.471%
96	16.274	2440	2446	2451	rBV8	24940	56837	1.29%	0.118%
97	16.339	2453	2457	2461	rBV2	32471	47513	1.07%	0.098%
98	16.557	2489	2494	2503	rVB	92639	175451	3.97%	0.363%

Sum of corrected areas: 48322792

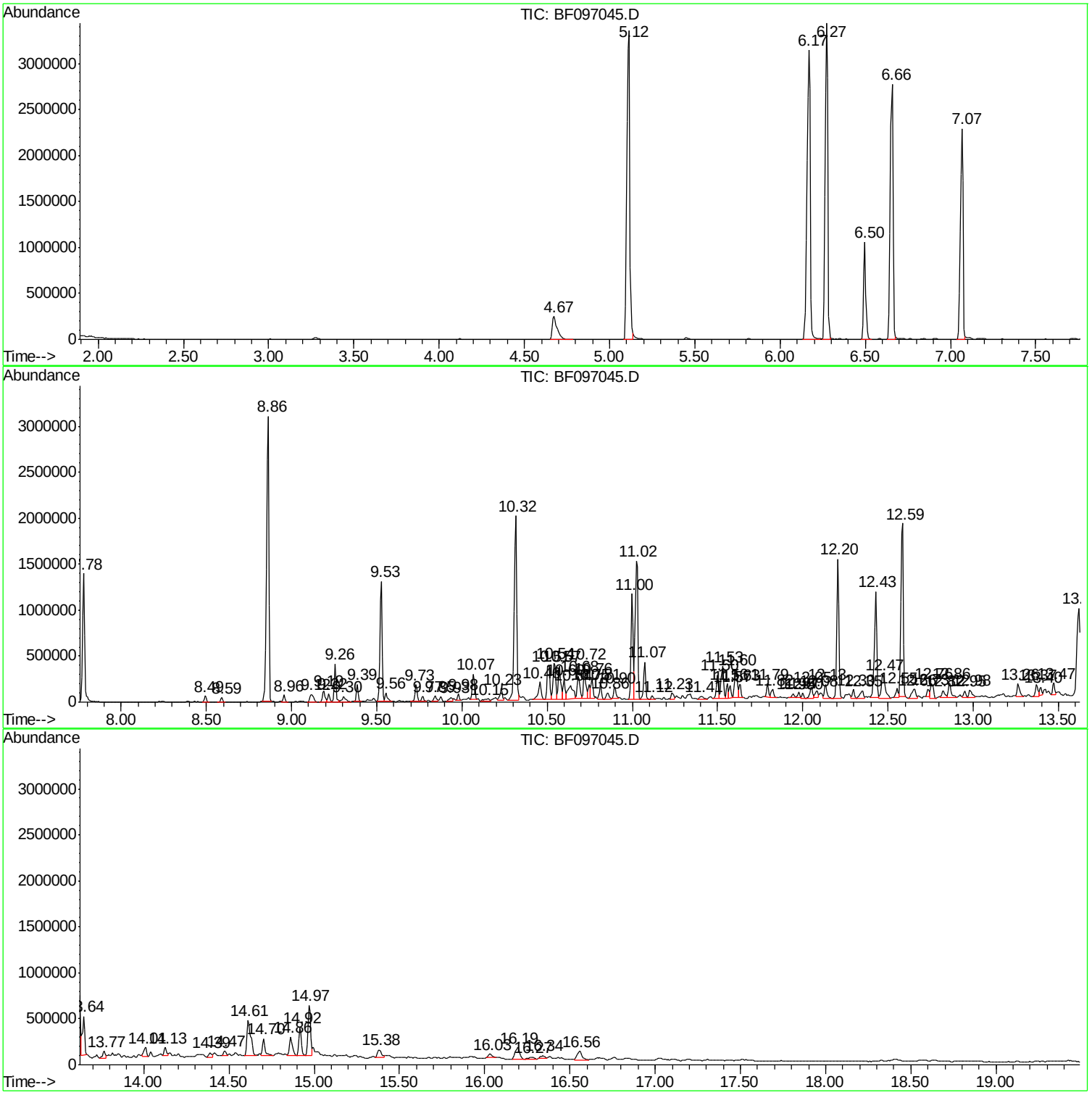
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097045.D
Acq On : 25 Jul 2017 22:44
Operator : SJ/JU
Sample : I4290-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.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\BF072517\
Data File : BF097045.D
Acq On : 25 Jul 2017 22:44
Operator : SJ/JU
Sample : I4290-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

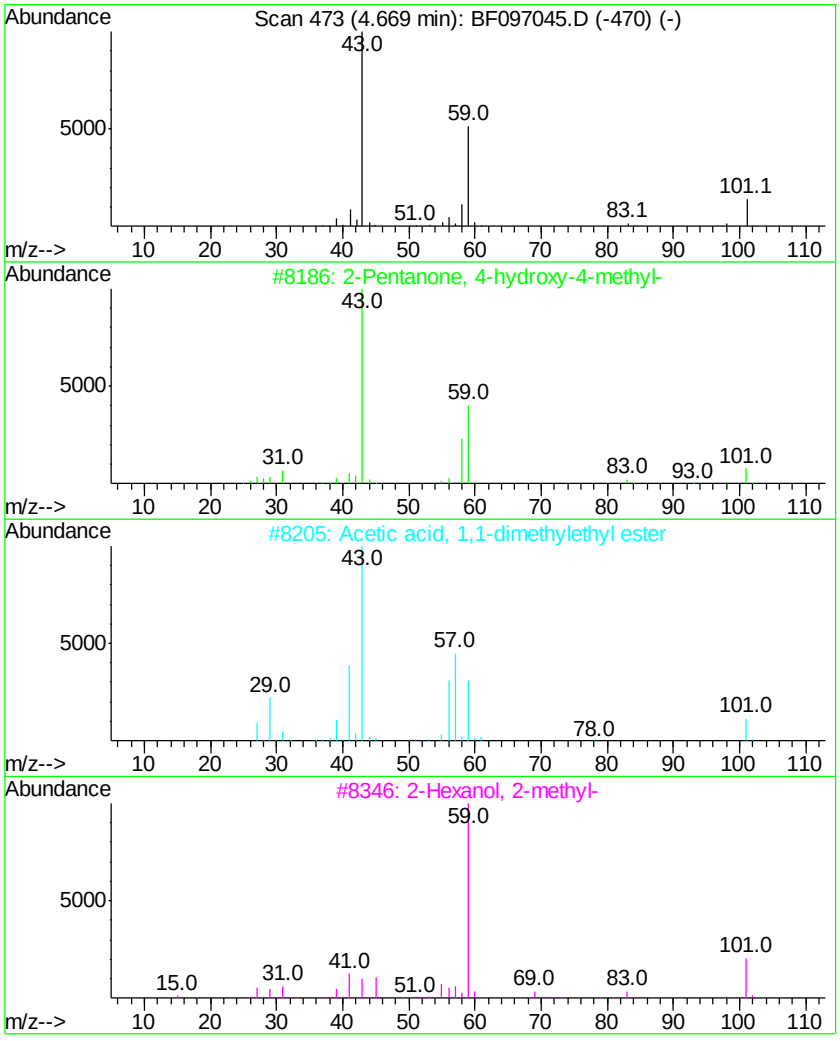
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

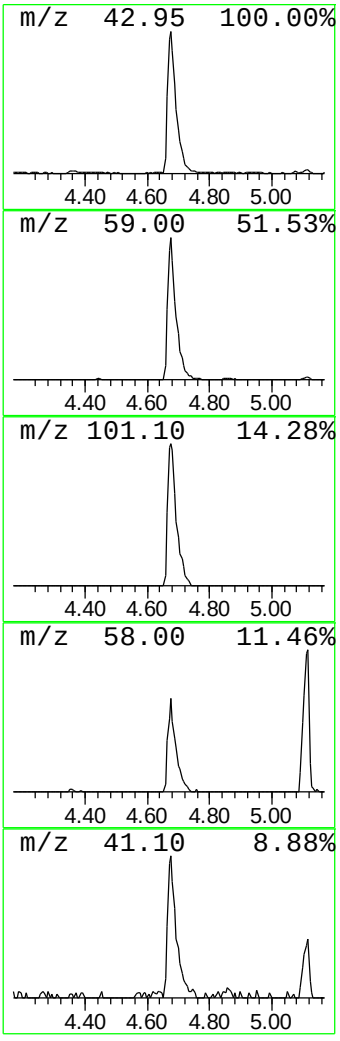
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.67	10.61 ng	475413	1,4-Dichlorobenzene-d4	6.50

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	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097045.D
Acq On : 25 Jul 2017 22:44
Operator : SJ/JU
Sample : I4290-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

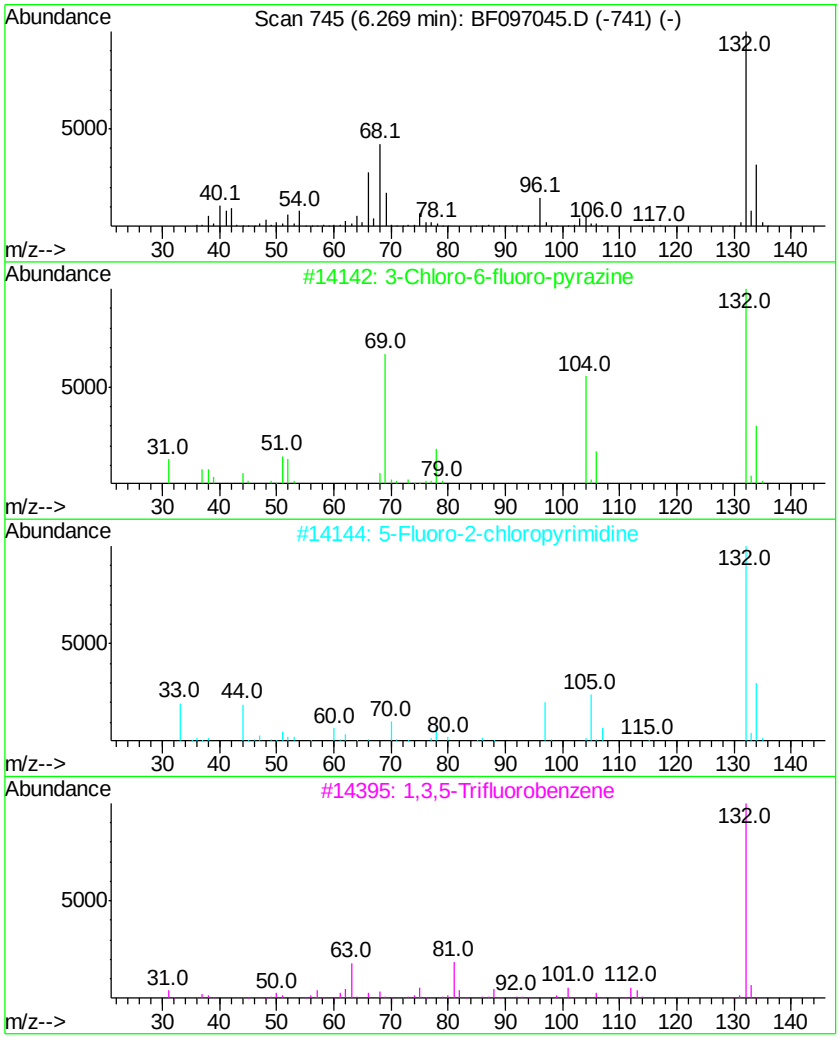
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

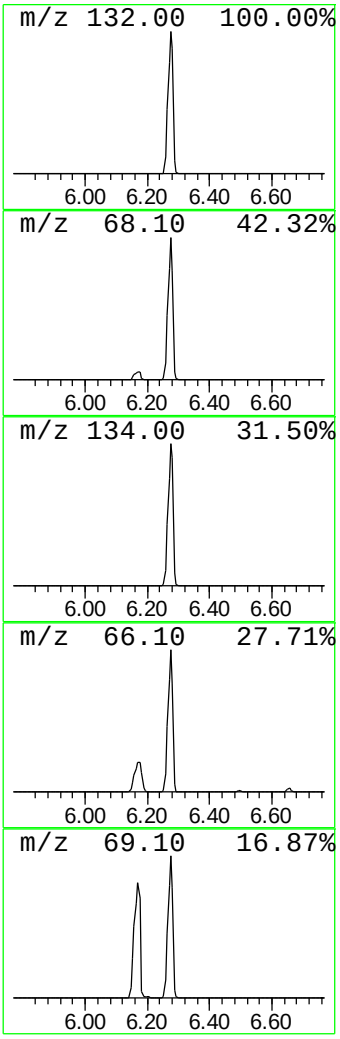
****

Peak Number 2 unknown6.27 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.27	88.14 ng	3949410	1,4-Dichlorobenzene-d4	6.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097045.D
Acq On : 25 Jul 2017 22:44
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Sample : I4290-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

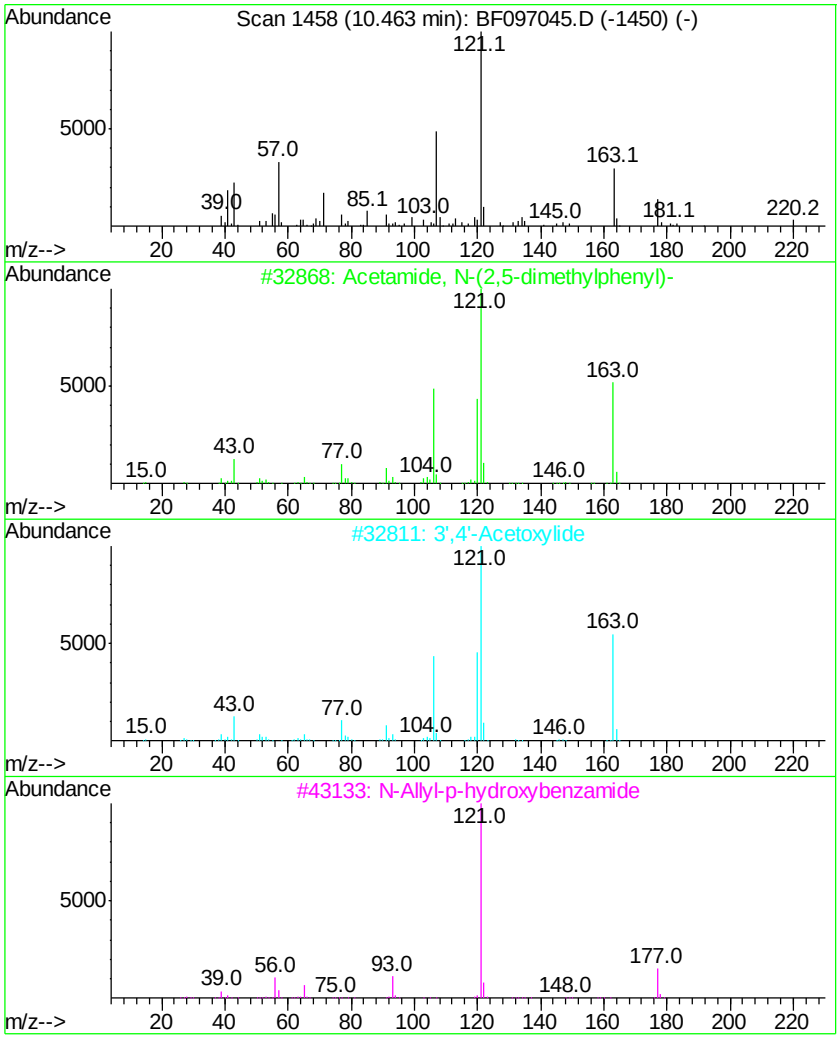
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

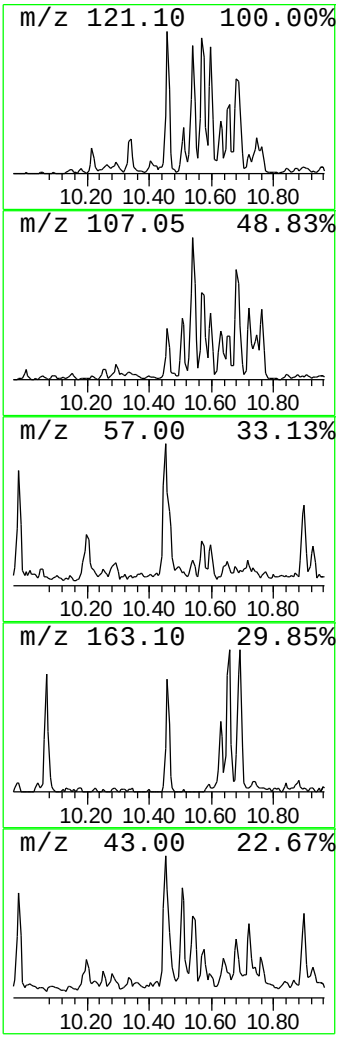
****

Peak Number 4 Acetamide, N-(2,5-dimethylp... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.46	4.57 ng	238859	Phenanthrene-d10	11.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetamide, N-(2,5-dimethylphenyl)-	163	C10H13NO	002050-44-4	52
2	3',4'-Acetoxylide	163	C10H13NO	002198-54-1	52
3	N-Allyl-p-hydroxybenzamide	177	C10H11NO2	090921-72-5	43
4	Oxalic acid, butyl 2-isopropylph...	264	C15H20O4	1000309-56-3	43
5	p-Sec-butylphenyl acetate	192	C12H16O2	003245-24-7	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
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Operator : SJ/JU
Sample : I4290-04
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Instrument : BNA_F
ClientSampleId : S-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

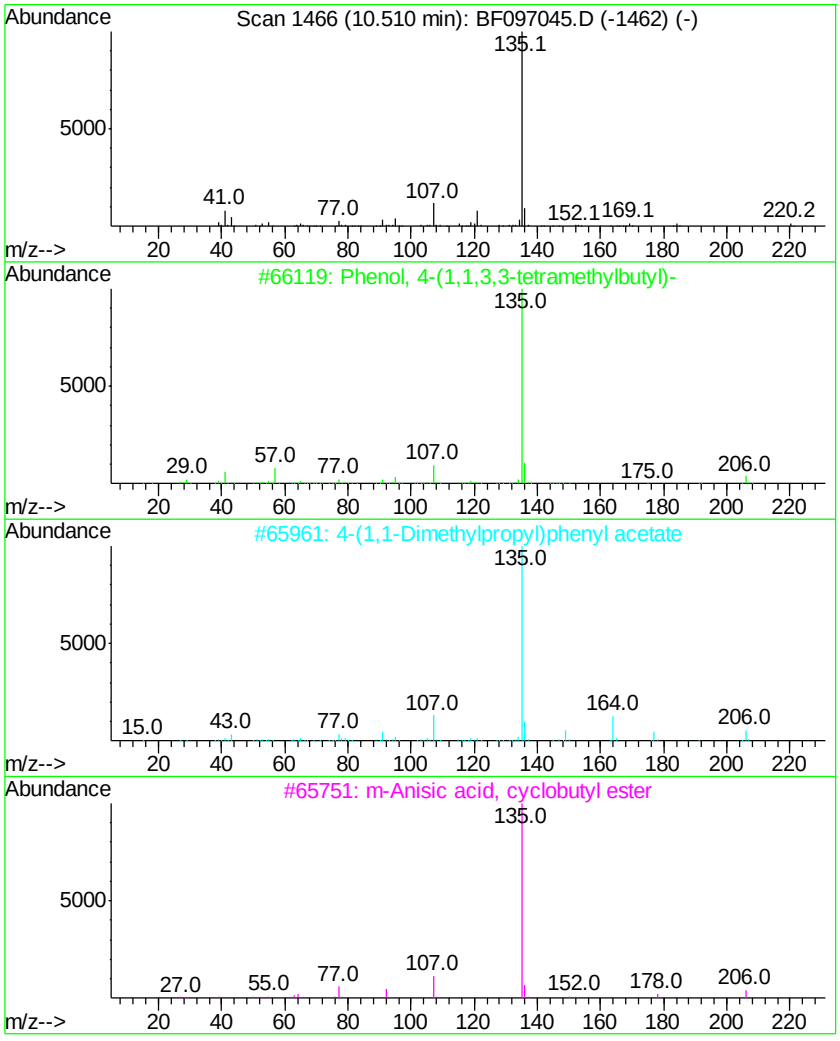
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

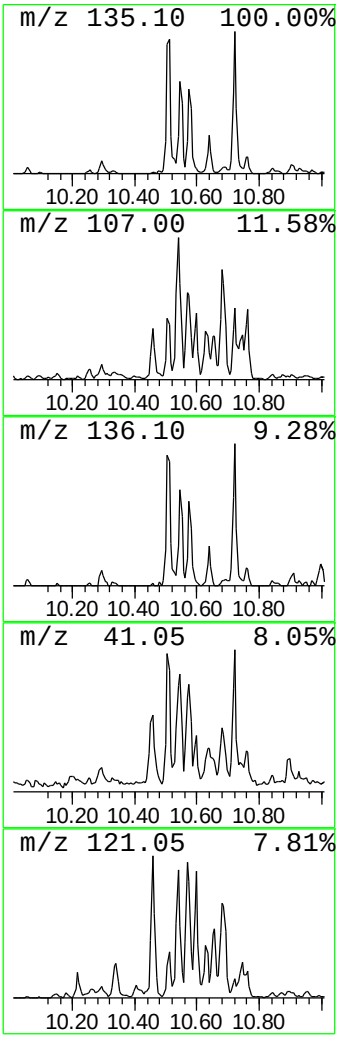
****

Peak Number 5 Phenol, 4-(1,1,3,3-tetramet... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.51	6.80 ng	355687	Phenanthrene-d10	11.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	72
2	4-(1,1-Dimethylpropyl)phenyl ace...	206	C13H18O2	1000373-45-3	64
3	m-Anisic acid, cyclobutyl ester	206	C12H14O3	1000292-25-0	64
4	Carbamic acid, N-[1,1-bis(triflu...	413	C19H25F6NO2	296242-69-8	56
5	Pentanoic acid, 5-hydroxy-, p-t-...	250	C15H22O3	166273-37-6	56





Data Path : Z:\HPCHEM1\BNA F\DATA\BF072517\
Data File : BF097045.D
Acq On : 25 Jul 2017 22:44
Operator : SJ/JU
Sample : I4290-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

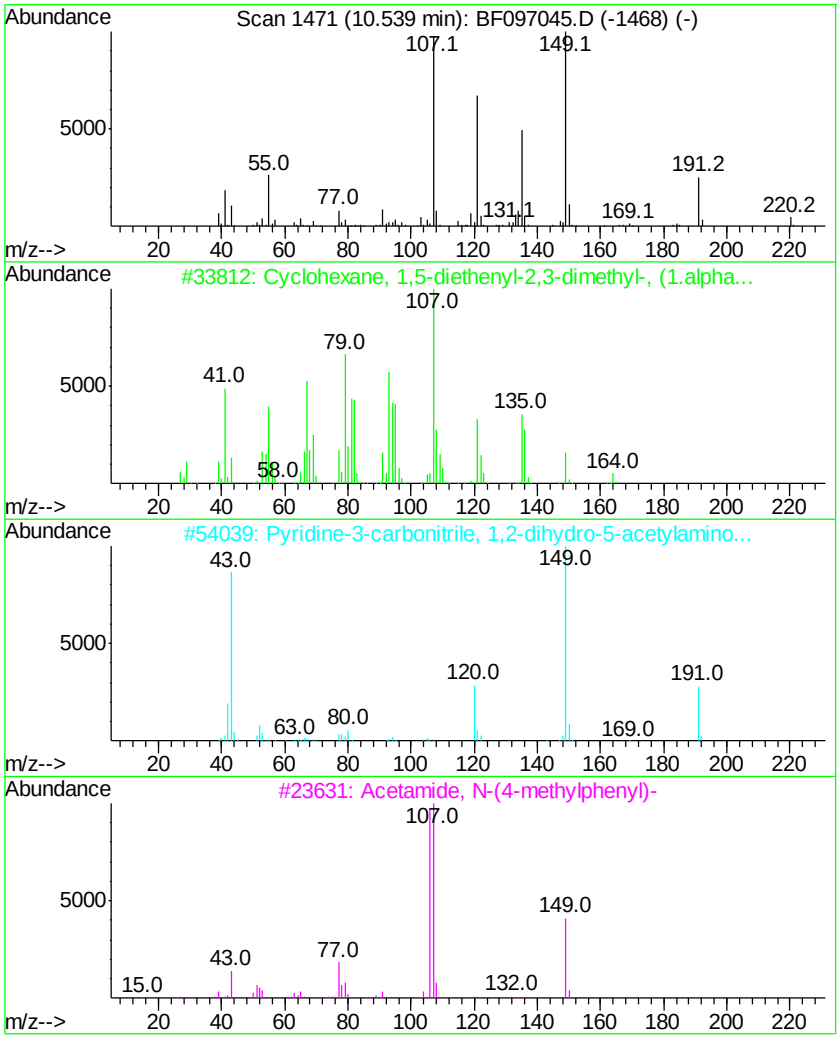
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

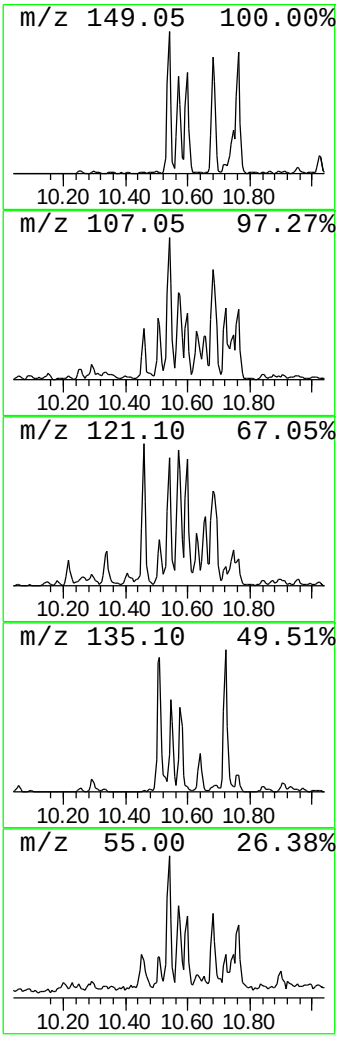
****

Peak Number 6 unknown10.54 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.54	8.77 ng	458473	Phenanthrene-d10	11.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,5-diethenyl-2,3-d...	164	C12H20	068779-12-4	43
2	Pyridine-3-carbonitrile, 1,2-dih...	191	C9H9N3O2	220098-92-0	38
3	Acetamide, N-(4-methylphenyl)-	149	C9H11NO	000103-89-9	38
4	1,3-Cyclopentadiene, 1,3-bis(1-m...	150	C11H18	123278-27-3	38
5	Phthalic acid, cyclobutyl propyl...	262	C15H18O4	1000315-41-2	35





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Data File : BF097045.D
Acq On : 25 Jul 2017 22:44
Operator : SJ/JU
Sample : I4290-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

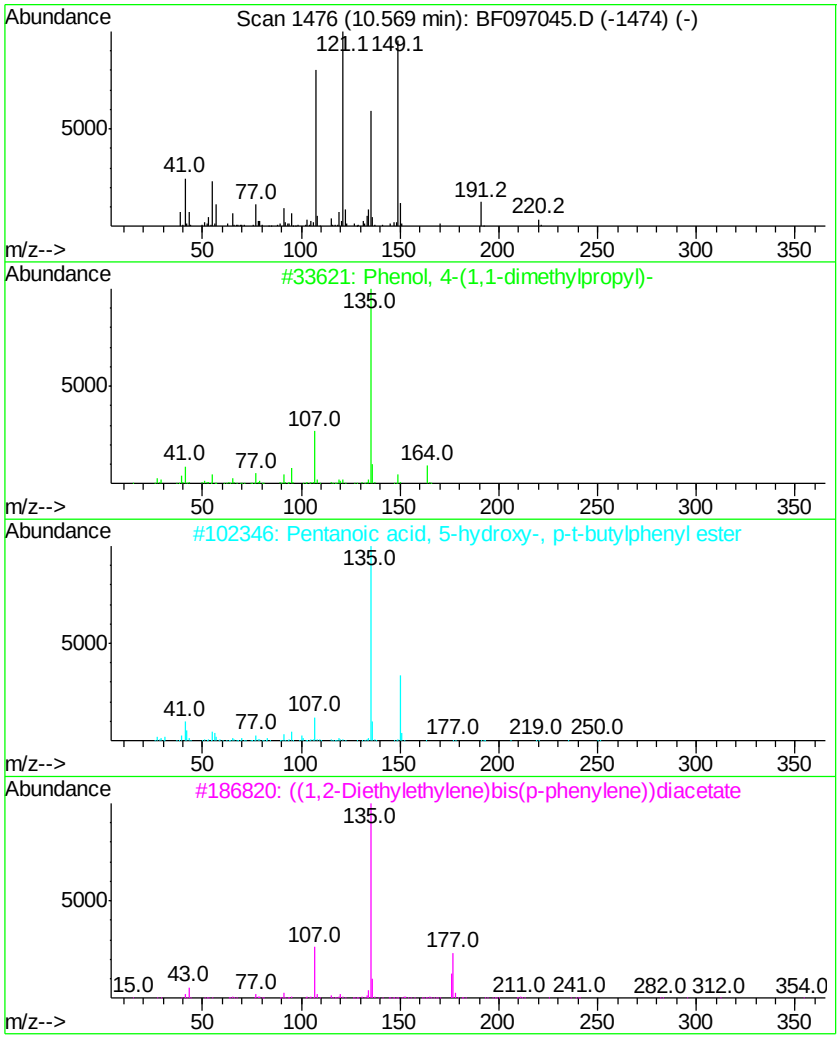
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

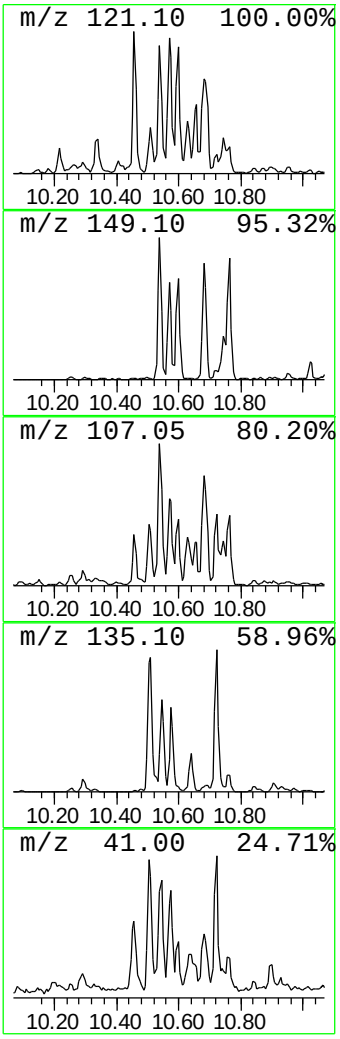
****

Peak Number 7 Phenol, 4-(1,1-dimethylprop... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.57	6.91 ng	361165	Phenanthrene-d10	11.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	64
2	Pentanoic acid, 5-hydroxy-, p-t-...	250	C15H22O3	166273-37-6	59
3	((1,2-Diethylethylene)bis(p-phen...	354	C22H26O4	004547-76-6	59
4	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	58
5	Hexestrol	270	C18H22O2	005635-50-7	53





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Acq On : 25 Jul 2017 22:44
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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-4

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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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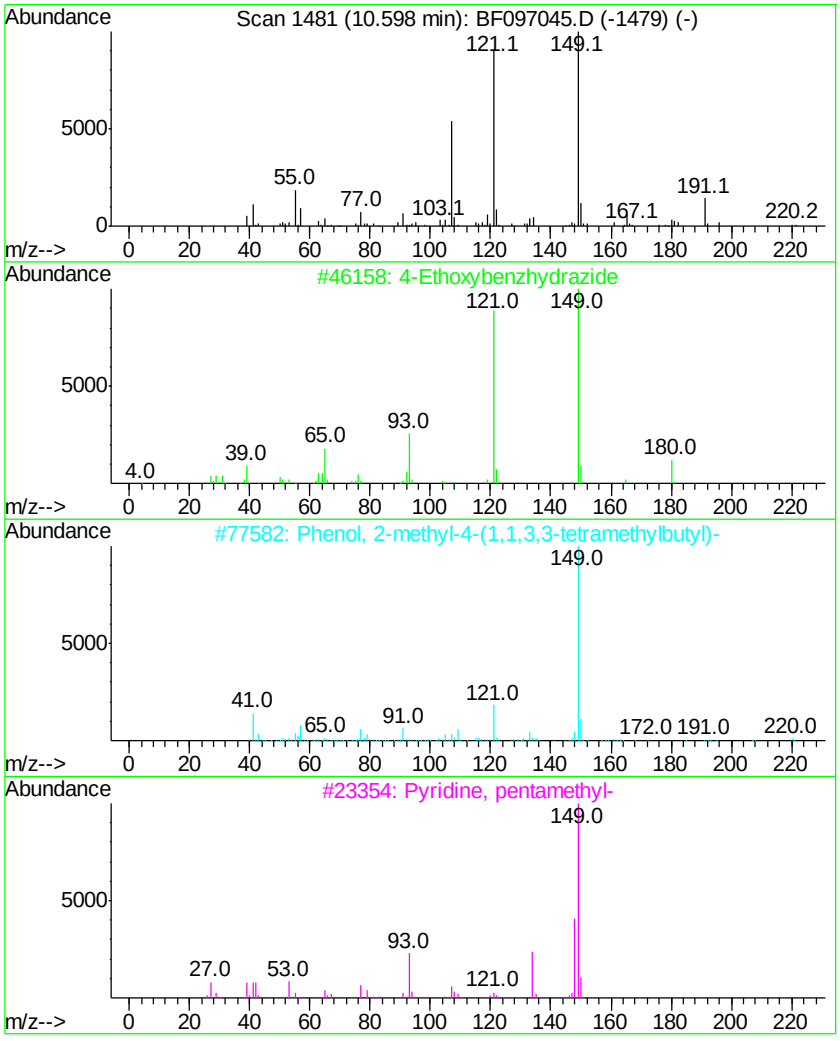
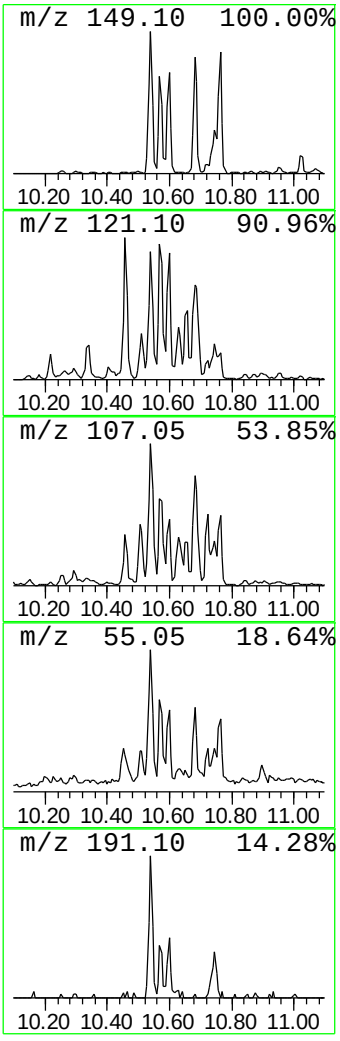
Peak Number 8 4-Ethoxybenzhydrazide Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.60	3.59 ng	187687	Phenanthrene-d10	11.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Ethoxybenzhydrazide	180	C9H12N2O2	058586-81-5	53
2	Phenol, 2-methyl-4-(1,1,3,3-tetr...	220	C15H24O	002219-84-3	35
3	Pyridine, pentamethyl-	149	C10H15N	003748-83-2	27
4	Phthalic acid, decyl 2,7-dimethy...	440	C28H40O4	1000315-49-5	27
5	Phenol, 2-(1-methylpropyl)-	150	C10H14O	000089-72-5	27





Library Search Compound Report

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ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-4

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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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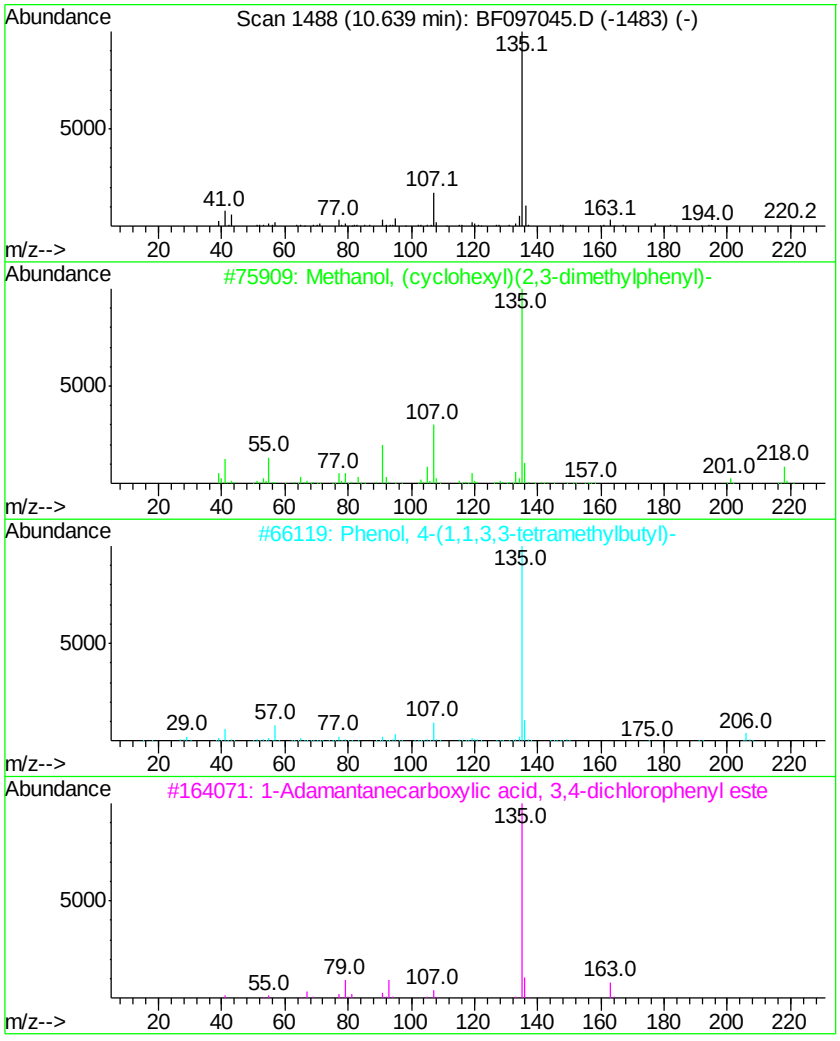
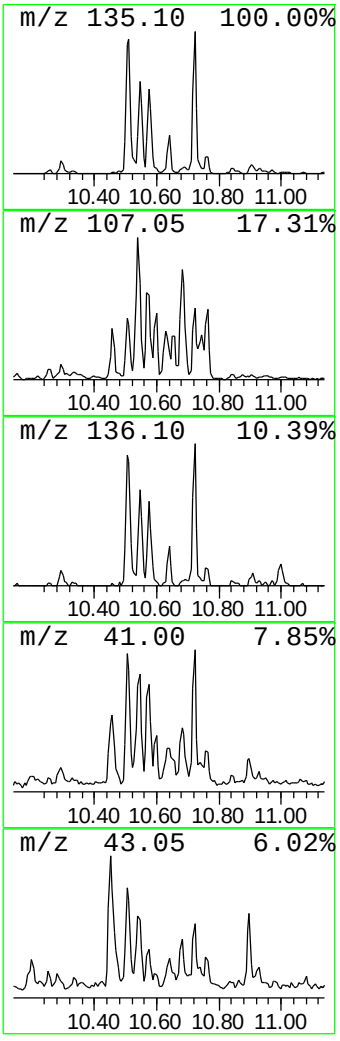
Peak Number 9 Methanol, (cyclohexyl)(2,3-... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.64	5.91 ng	308794	Phenanthrene-d10	11.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methanol, (cyclohexyl)(2,3-dimet...	218	C15H22O	349498-47-1	72
2	Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	64
3	1-Adamantanecarboxylic acid, 3,4...	324	C17H18Cl2O2	1000307-66-4	64
4	Hexestrol	270	C18H22O2	000084-16-2	64
5	4-(1,1-Dimethylpropyl)phenyl ace...	206	C13H18O2	1000373-45-3	64





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.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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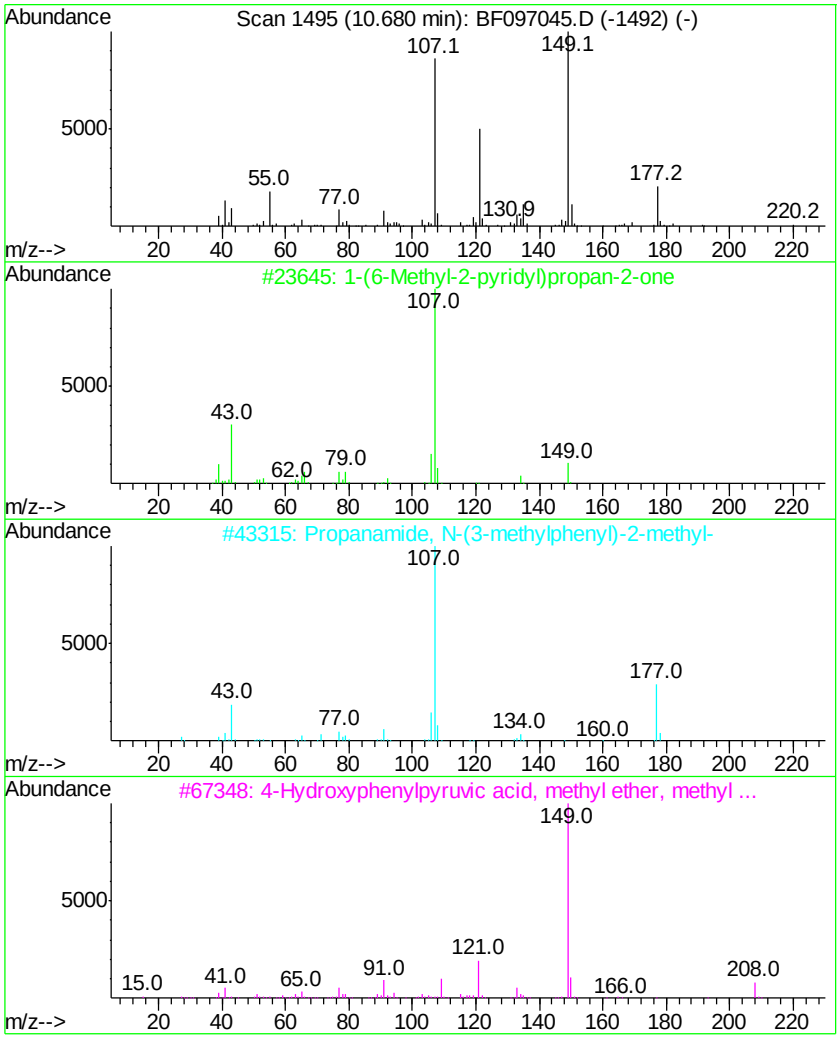
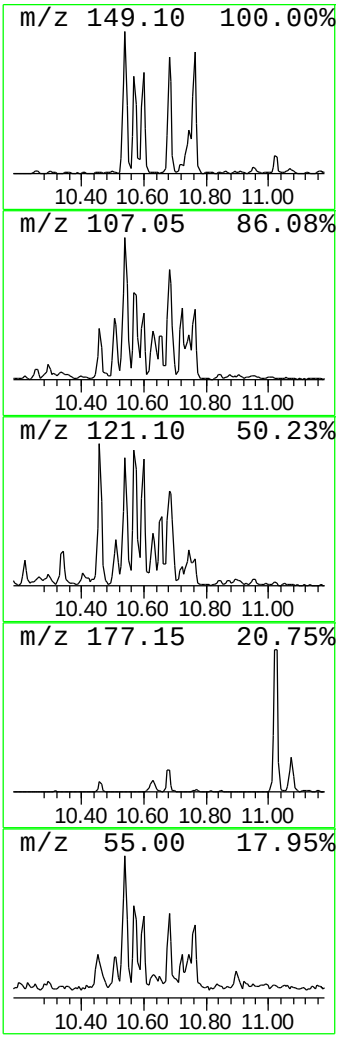
Peak Number 10 1-(6-Methyl-2-pyridyl)propa... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	5.69 ng	297665	Phenanthrene-d10	11.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(6-Methyl-2-pyridyl)propan-2-one	149	C9H11NO	065702-08-1	53
2	Propanamide, N-(3-methylphenyl)-...	177	C11H15NO	1000307-32-0	41
3	4-Hydroxyphenylpyruvic acid, met...	208	C11H12O4	1000332-83-9	38
4	Phenol, 4-(2-methylpropyl)-	150	C10H14O	004167-74-2	38
5	Butanamide, N-(3-methylphenyl)-	177	C11H15NO	1000306-91-3	38





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Sample : I4290-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.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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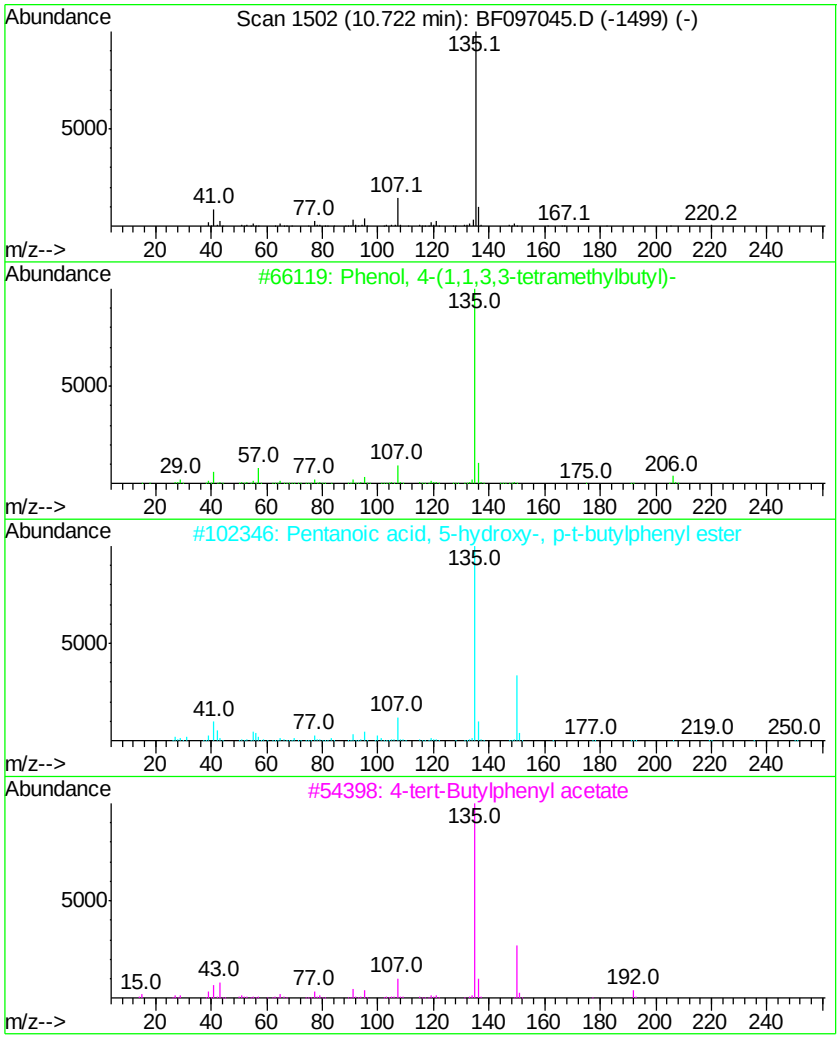
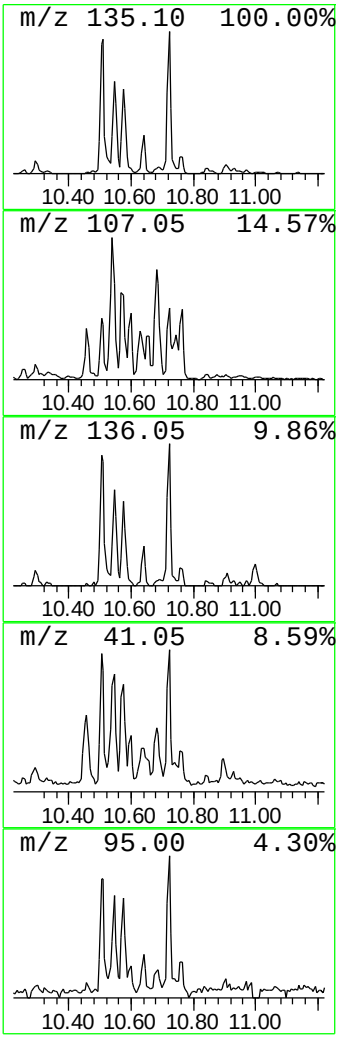
Peak Number 11 Pentanoic acid, 5-hydroxy-,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.72	5.94 ng	310531	Phenanthrene-d10	11.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	78
2	Pentanoic acid, 5-hydroxy-, p-t-...	250	C15H22O3	166273-37-6	78
3	4-tert-Butylphenyl acetate	192	C12H16O2	003056-64-2	78
4	4-(1,1-Dimethylpropyl)phenyl ace...	206	C13H18O2	1000373-45-3	74
5	Phenol, 2-methyl-5-(1-methylethyl)-	150	C10H14O	000499-75-2	56





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-4

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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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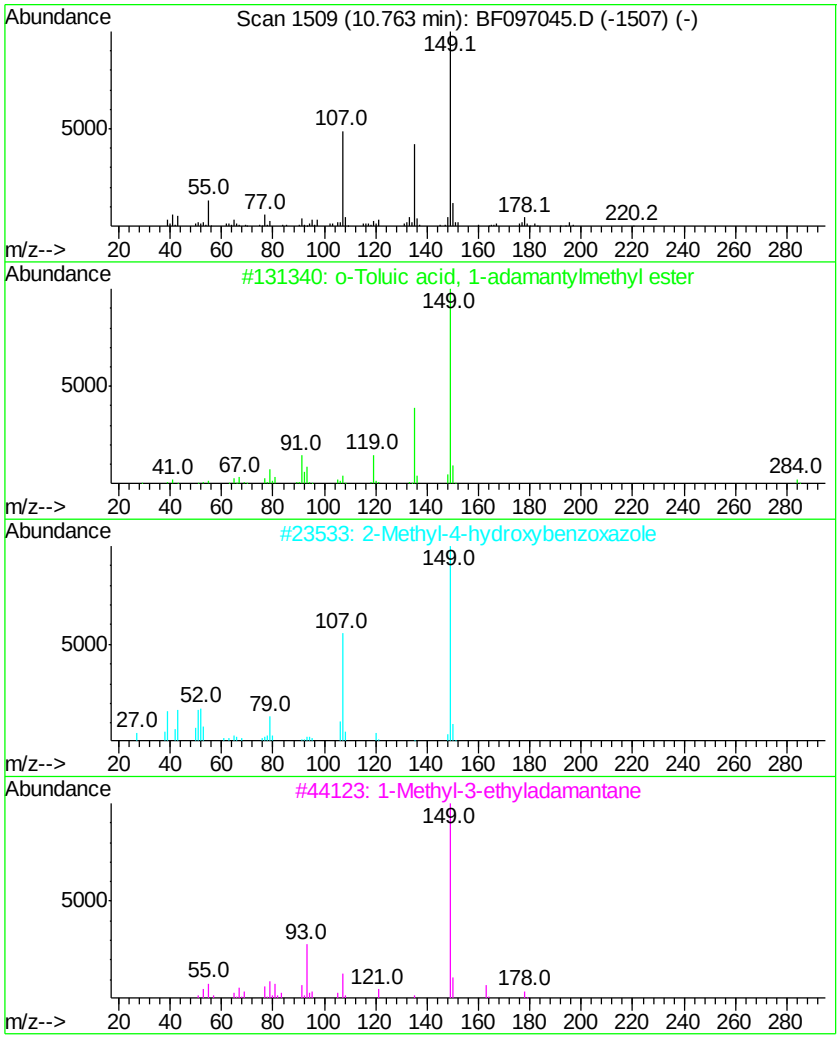
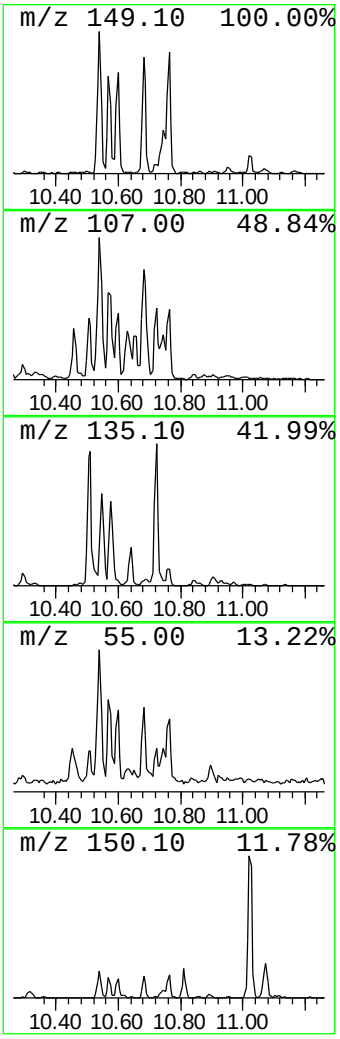
Peak Number 12 o-Toluic acid, 1-adamantylm... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	3.63 ng	189565	Phenanthrene-d10	11.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Toluic acid, 1-adamantylmethyl...	284	C19H24O2	1000292-22-6	53
2	2-Methyl-4-hydroxybenzoxazole	149	C8H7NO2	051110-60-2	53
3	1-Methyl-3-ethyladamantane	178	C13H22	001687-34-9	37
4	Acetamide, 2-(4-cyclohexylphenox...	324	C20H24N2O2	1000263-95-6	37
5	2-(Decyloxycarbonyl)benzoic acid	306	C18H26O4	1000373-53-2	32





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-4

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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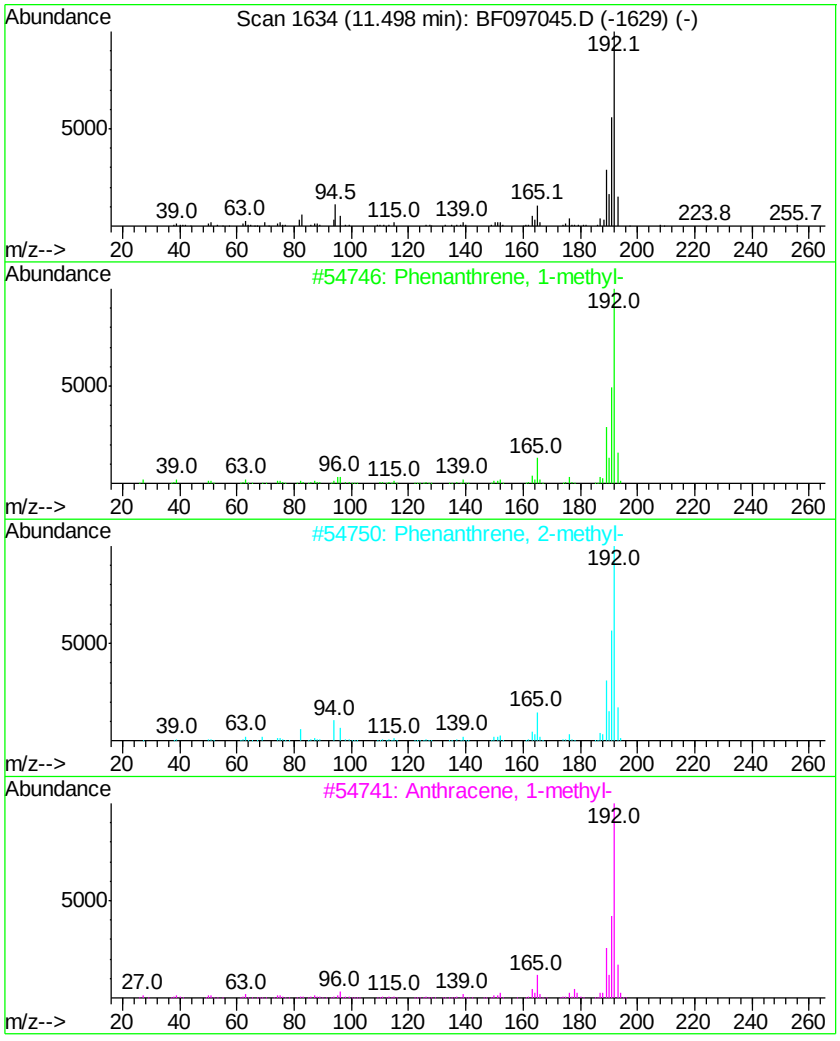
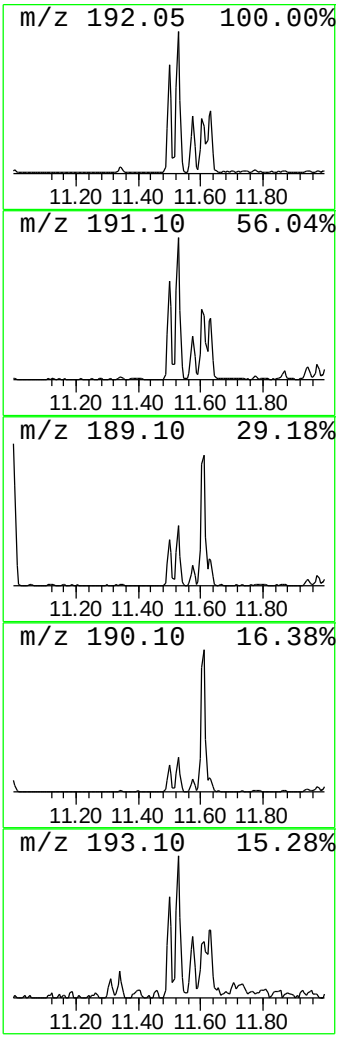
Peak Number 13 Phenanthrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.50	4.24 ng	221504	Phenanthrene-d10	11.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-4

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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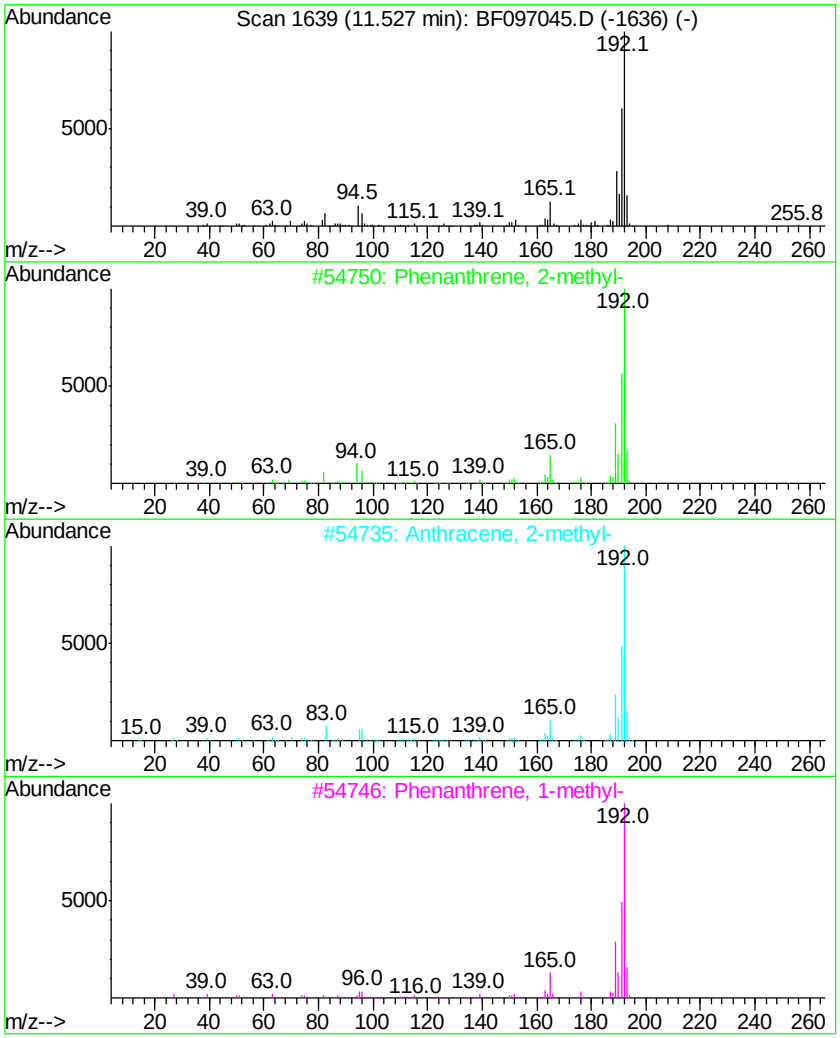
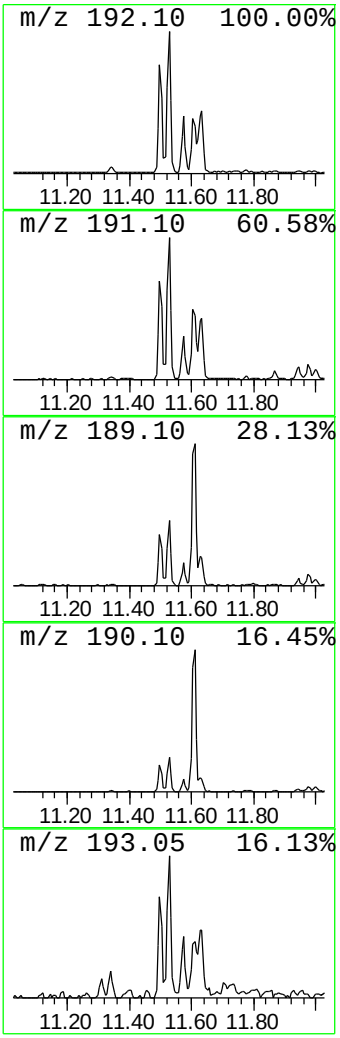
Peak Number 14 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.53	5.46 ng	285564	Phenanthrene-d10	11.00

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, 9-methyl-	192	C15H12	000779-02-2	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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ClientSampleId : S-4

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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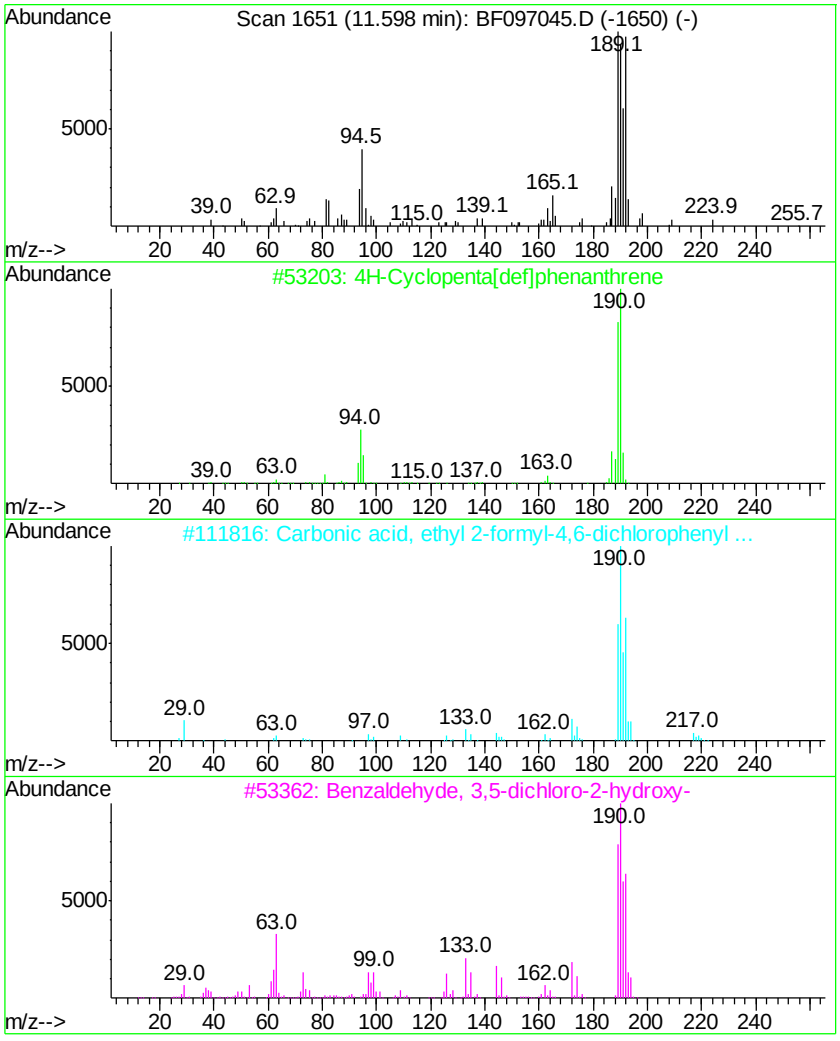
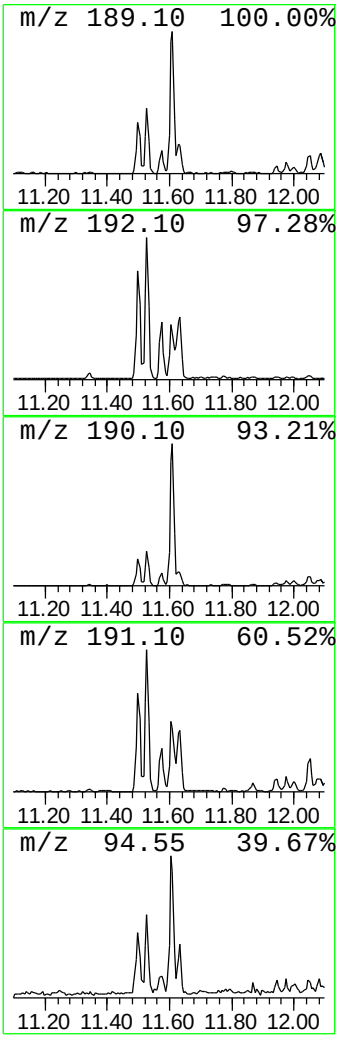
Peak Number 15 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.60	6.41 ng	334994	Phenanthrene-d10	11.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	47
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	47
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18
5	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	18





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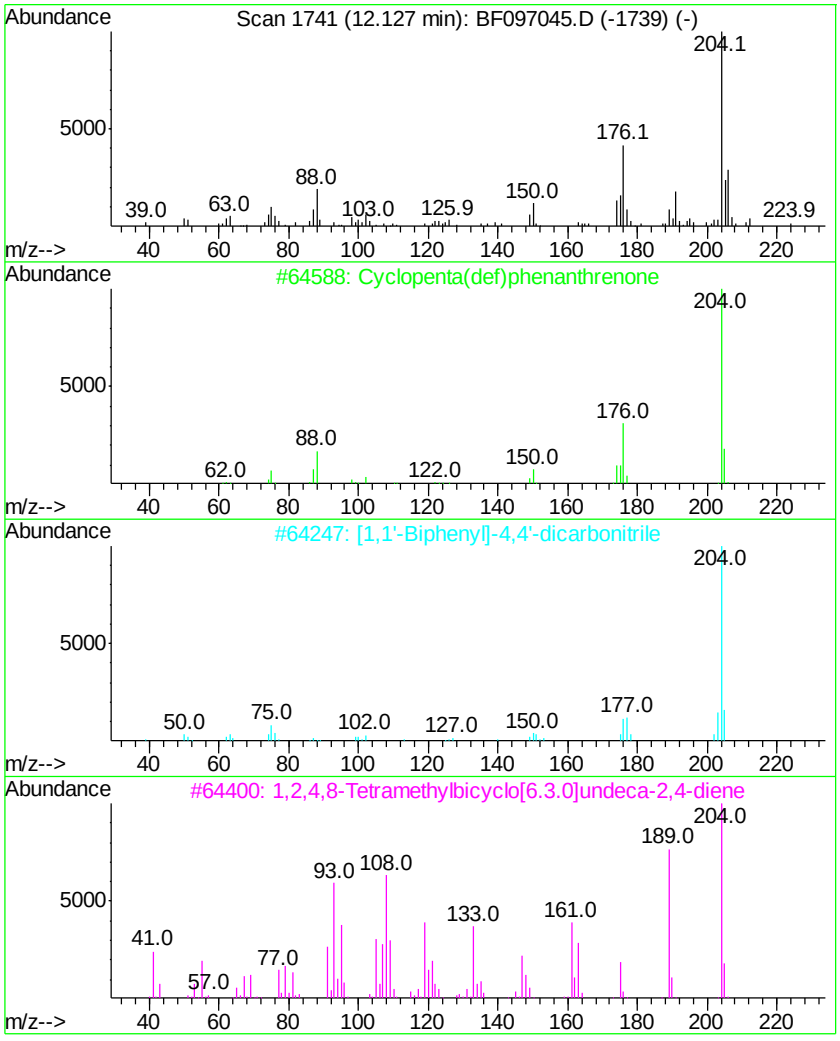
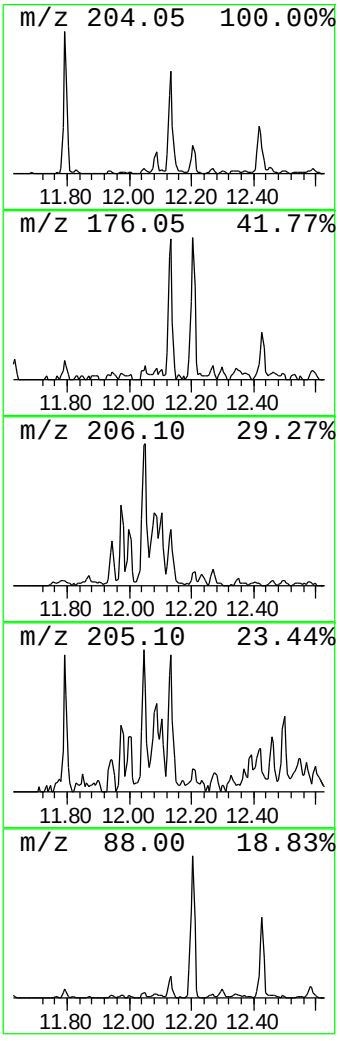
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	3.03 ng	158245	Phenanthrene-d10	11.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
4	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47
5	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	46





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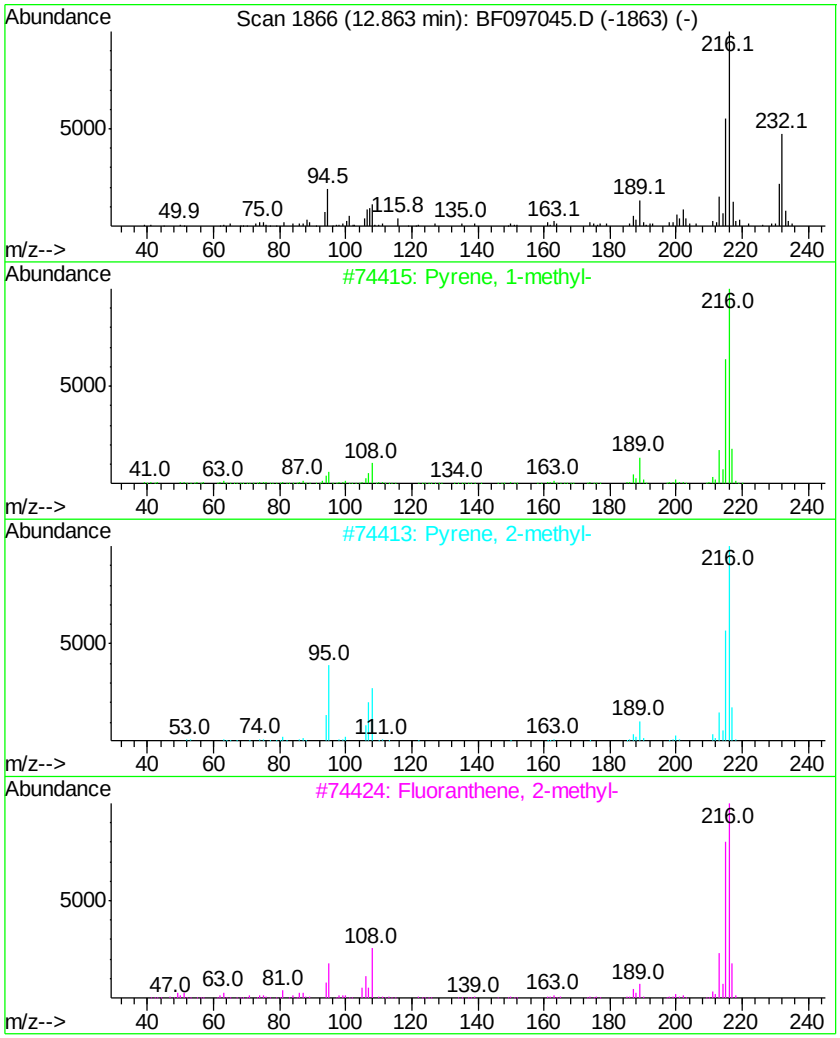
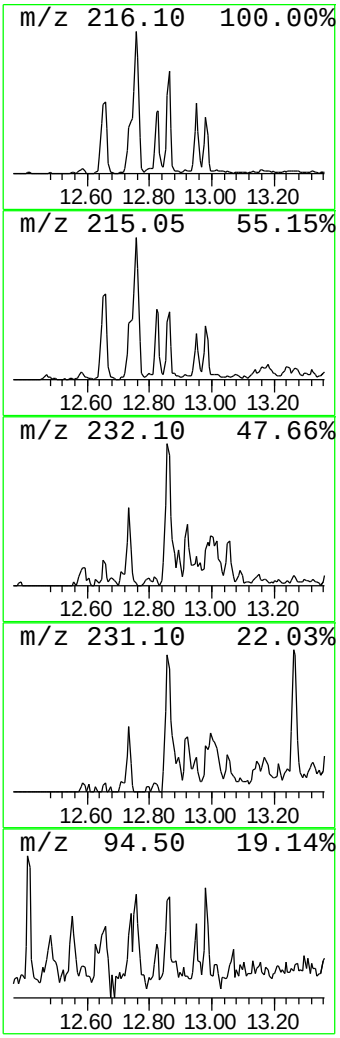
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.86	3.01 ng	198237	Chrysene-d12	13.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	60
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	55
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	53





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Misc :
ALS Vial : 21 Sample Multiplier: 1

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ClientSampleId : S-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

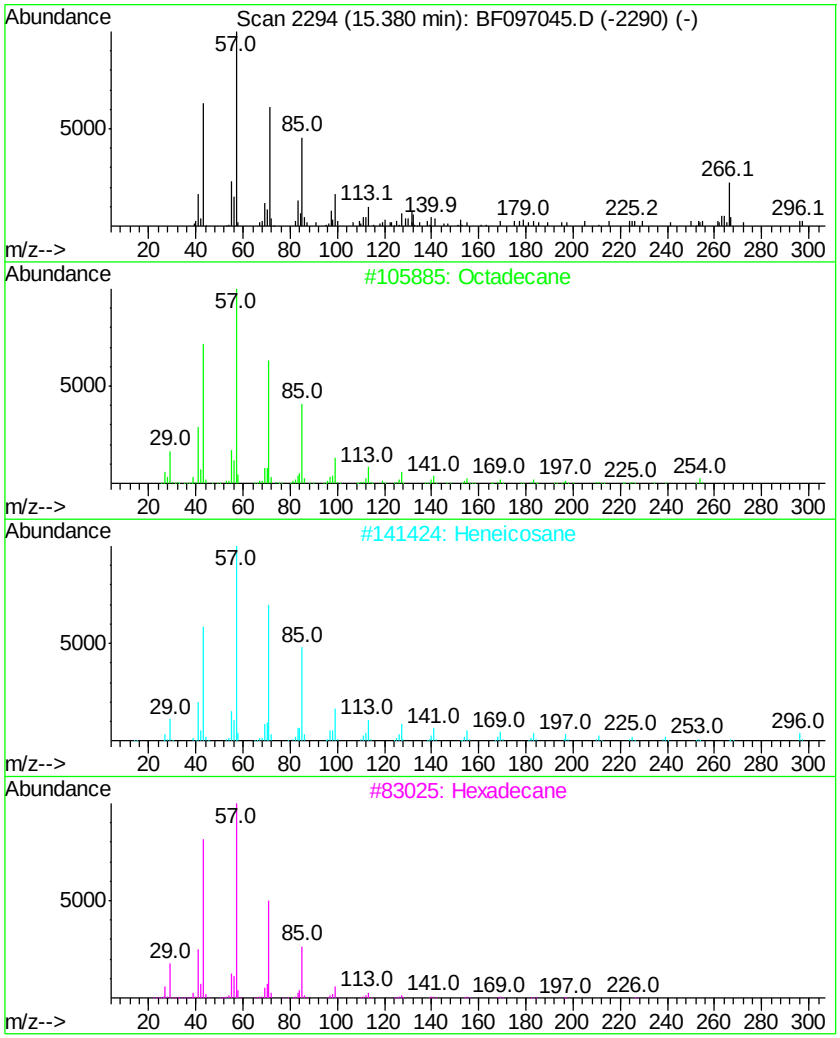
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

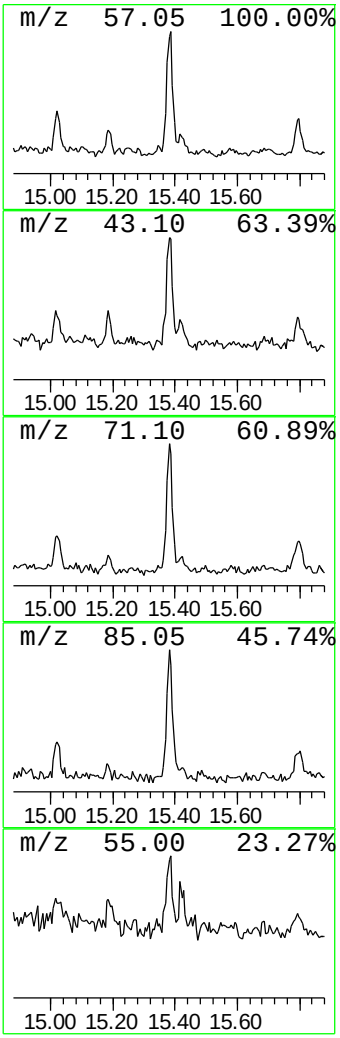
****

Peak Number 20 Octadecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.38	4.03 ng	124275	Perylene-d12	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	93
2	Heneicosane	296	C21H44	000629-94-7	86
3	Hexadecane	226	C16H34	000544-76-3	70
4	Octacosane	394	C28H58	000630-02-4	70
5	Heptadecane	240	C17H36	000629-78-7	62





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF072517\
Data File : BF097045.D
Acq On : 25 Jul 2017 22:44
Operator : SJ/JU
Sample : I4290-04
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.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...	4.67	10.6	ng	475413	1	6.50	896125	20.0
unknown6.27	6.27	88.1	ng	3949410	1	6.50	896125	20.0
Acetamide, N-(2,5...	10.46	4.6	ng	238859	4	11.00	1045530	20.0
Phenol, 4-(1,1,3,...	10.51	6.8	ng	355687	4	11.00	1045530	20.0
unknown10.54	10.54	8.8	ng	458473	4	11.00	1045530	20.0
Phenol, 4-(1,1-di...	10.57	6.9	ng	361165	4	11.00	1045530	20.0
4-Ethoxybenzhydra...	10.60	3.6	ng	187687	4	11.00	1045530	20.0
Methanol, (cycloh...	10.64	5.9	ng	308794	4	11.00	1045530	20.0
1-(6-Methyl-2-pyr...	10.68	5.7	ng	297665	4	11.00	1045530	20.0
Pentanoic acid, 5...	10.72	5.9	ng	310531	4	11.00	1045530	20.0
o-Toluic acid, 1-...	10.76	3.6	ng	189565	4	11.00	1045530	20.0
Phenanthrene, 1-m...	11.50	4.2	ng	221504	4	11.00	1045530	20.0
Phenanthrene, 2-m...	11.53	5.5	ng	285564	4	11.00	1045530	20.0
4H-Cyclopenta[def...	11.60	6.4	ng	334994	4	11.00	1045530	20.0
Cyclopenta(def)ph...	12.13	3.0	ng	158245	4	11.00	1045530	20.0
Pyrene, 1-methyl-	12.86	3.0	ng	198237	5	13.62	1317320	20.0
Octadecane	15.38	4.0	ng	124275	6	14.97	617143	20.0