LSC Area Percent Report

Data Path : U:\HPCHEM1\BNA F\DATA\BF101816\
Data File : BF090634.D
Acq On : 18 Oct 2016 18:08
Operator : UM/SJ
Sample : H5289-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-3-3

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-BF101316.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	5.091	238	241	249	rBV	1097852	1567691	26.60%	1.935%
2	5.514	275	278	280	rVV	5076079	5318498	90.25%	6.566%
3	5.731	296	297	301	rVB2	107510	149478	2.54%	0.185%
4	6.143	330	333	336	rVV4	104798	151162	2.57%	0.187%
5	6.429	356	358	362	rVB4	113508	152178	2.58%	0.188%
6	6.543	365	368	370	rBV	4334376	5179250	87.89%	6.394%
7	6.669	377	379	382	rBV	4934253	4980668	84.52%	6.149%
8	6.726	382	384	387	rVB2	145486	205898	3.49%	0.254%
9	6.897	397	399	403	rBV	1303419	1322106	22.44%	1.632%
10	7.057	411	413	415	rBV	4746357	4323211	73.36%	5.337%
11	7.469	446	449	451	rBV	3021614	3710237	62.96%	4.581%
12	7.503	451	452	454	rVV	210932	170010	2.88%	0.210%
13	7.549	454	456	458	rVB3	77413	123961	2.10%	0.153%
14	7.937	486	490	492	rBV5	73659	165105	2.80%	0.204%
15	8.189	509	512	515	rBV	1814776	2329972	39.54%	2.877%
16	8.246	515	517	521	rVV2	123625	237543	4.03%	0.293%
17	8.612	547	549	551	rBV	333377	295468	5.01%	0.365%
18	8.783	559	564	566	rBV	274876	326066	5.53%	0.403%
19	8.897	573	574	577	rVB	434495	393350	6.67%	0.486%
20	9.000	581	583	585	rBV	450300	405551	6.88%	0.501%
21	9.217	600	602	604	rVB	205932	233676	3.97%	0.288%
22	9.263	604	606	609	rBV	5109099	5893016	100.00%	7.275%
23	9.343	611	613	616	rVV2	272185	388318	6.59%	0.479%
24	9.526	626	629	631	rVB2	167422	240734	4.09%	0.297%
25	9.606	634	636	637	rVV	311969	422886	7.18%	0.522%
26	9.629	637	638	639	rVV	321607	261014	4.43%	0.322%
27	9.663	639	641	643	rVV	1616517	1739489	29.52%	2.148%
28	9.720	644	646	651	rVB	229628	285618	4.85%	0.353%
29	9.800	651	653	655	rBV	247456	241700	4.10%	0.298%
30	9.880	655	660	662	rVB	287633	455266	7.73%	0.562%
31	9.949	662	666	667	rBV	1522349	2128152	36.11%	2.627%
32	9.983	667	669	673	rVB4	124848	226191	3.84%	0.279%
33	10.143	681	683	685	rVV	299651	343061	5.82%	0.424%
34	10.189	685	687	690	rVV3	102232	182474	3.10%	0.225%

LSC Area Percent Report

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Sample : H5289-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-3-3

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-BF101316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.258	692	693	695	rBV	130234	148408	2.52%	0.183%
36	10.372	699	703	705	rBV2	367779	633130	10.74%	0.782%
37	10.440	705	709	711	rVB5	52845	125783	2.13%	0.155%
38	10.486	711	713	717	rVB	210920	256396	4.35%	0.317%
39	10.600	720	723	725	rBV	227445	285649	4.85%	0.353%
40	10.646	725	727	729	rVB	181934	183744	3.12%	0.227%
41	10.738	732	735	737	rVV	2977647	3311832	56.20%	4.089%
42	10.863	743	746	751	rBV	879273	1219026	20.69%	1.505%
43	11.046	759	762	765	rBV5	65161	141280	2.40%	0.174%
44	11.172	770	773	777	rVV4	142519	284716	4.83%	0.352%
45	11.241	777	779	780	rVV2	113273	156041	2.65%	0.193%
46	11.298	780	784	786	rVV2	419840	512695	8.70%	0.633%
47	11.332	786	787	790	rVB2	191413	166962	2.83%	0.206%
48	11.435	793	796	799	rBV	1374522	2145699	36.41%	2.649%
49	11.503	801	802	804	rVB	207179	185533	3.15%	0.229%
50	11.663	813	816	819	rBV5	63056	181748	3.08%	0.224%
51	11.721	819	821	823	rVV	239340	312043	5.30%	0.385%
52	11.926	837	839	840	rVV	169507	226627	3.85%	0.280%
53	11.961	840	842	845	rVV	880059	927905	15.75%	1.146%
54	12.041	847	849	853	rVB	254831	441446	7.49%	0.545%
55	12.132	855	857	859	rVV	343722	356345	6.05%	0.440%
56	12.235	863	866	871	rVB2	102490	319086	5.41%	0.394%
57	12.406	880	881	886	rVB3	63524	153369	2.60%	0.189%
58	12.486	886	888	889	rBV	199544	225741	3.83%	0.279%
59	12.521	889	891	894	rBV2	315248	311944	5.29%	0.385%
60	12.566	894	895	898	rVB	166618	171485	2.91%	0.212%
61	12.646	899	902	904	rBV	1040336	1020963	17.32%	1.260%
62	12.692	904	906	909	rVB3	185543	262545	4.46%	0.324%
63	12.749	909	911	917	rVB5	142651	260986	4.43%	0.322%
64	12.875	918	922	925	rVB2	777194	1062991	18.04%	1.312%
65	12.932	925	927	930	rVB2	105692	162845	2.76%	0.201%
66	12.989	930	932	933	rBV	81345	122265	2.07%	0.151%
67	13.024	933	935	937	rVV	4991966	4760447	80.78%	5.877%
68	13.092	939	941	945	rBV4	108717	185130	3.14%	0.229%
69	13.172	947	948	952	rVB2	137853	317198	5.38%	0.392%
70	13.252	953	955	958	rBV2	210919	213086	3.62%	0.263%
71	13.309	958	960	962	rBV	142073	190777	3.24%	0.236%

LSC Area Percent Report

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Operator : UM/SJ
Sample : H5289-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-3-3

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-BF101316.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.424	969	970	973	rBV3	62648	152881	2.59%	0.189%
73	13.595	983	985	989	rBV3	207018	280807	4.77%	0.347%
74	13.709	993	995	997	rVB	249567	261326	4.43%	0.323%
75	13.824	1002	1005	1006	rBV2	141588	220660	3.74%	0.272%
76	13.915	1011	1013	1016	rVB2	349859	494034	8.38%	0.610%
77	13.995	1018	1020	1023	rVB3	77039	137813	2.34%	0.170%
78	14.075	1024	1027	1033	rVV2	1752806	3195548	54.23%	3.945%
79	14.235	1039	1041	1044	rVB3	136701	197762	3.36%	0.244%
80	14.498	1063	1064	1066	rVB	171994	165959	2.82%	0.205%
81	14.544	1066	1068	1070	rBV2	227238	294064	4.99%	0.363%
82	14.589	1070	1072	1075	rVB3	119679	163696	2.78%	0.202%
83	14.852	1093	1095	1096	rBV	152635	156744	2.66%	0.194%
84	14.932	1100	1102	1108	rVB4	104609	297607	5.05%	0.367%
85	15.024	1108	1110	1112	rBV	97365	121638	2.06%	0.150%
86	15.115	1115	1118	1122	rBV	1067780	1966218	33.37%	2.427%
87	15.184	1122	1124	1126	rVV	184665	257380	4.37%	0.318%
88	15.218	1126	1127	1129	rVB	175177	146360	2.48%	0.181%
89	15.412	1141	1144	1147	rVV	575508	708139	12.02%	0.874%
90	15.470	1147	1149	1152	rVV	379626	577357	9.80%	0.713%
91	15.538	1152	1155	1165	rVB	1112183	1943196	32.97%	2.399%
92	15.995	1193	1195	1198	rBV	150287	205590	3.49%	0.254%
93	16.658	1251	1253	1261	rVB5	114901	270335	4.59%	0.334%
94	16.978	1278	1281	1287	rBV2	218600	517863	8.79%	0.639%
95	17.081	1288	1290	1293	rVB	85108	155452	2.64%	0.192%
96	17.150	1293	1296	1299	rBV2	99447	211664	3.59%	0.261%
97	17.321	1308	1311	1315	rVB	305766	631662	10.72%	0.780%
98	17.413	1316	1319	1328	rVV	175750	401626	6.82%	0.496%
99	17.561	1329	1332	1337	rVB6	58359	149137	2.53%	0.184%
100	18.316	1395	1398	1405	rVB3	85828	223666	3.80%	0.276%

Sum of corrected areas: 80999048

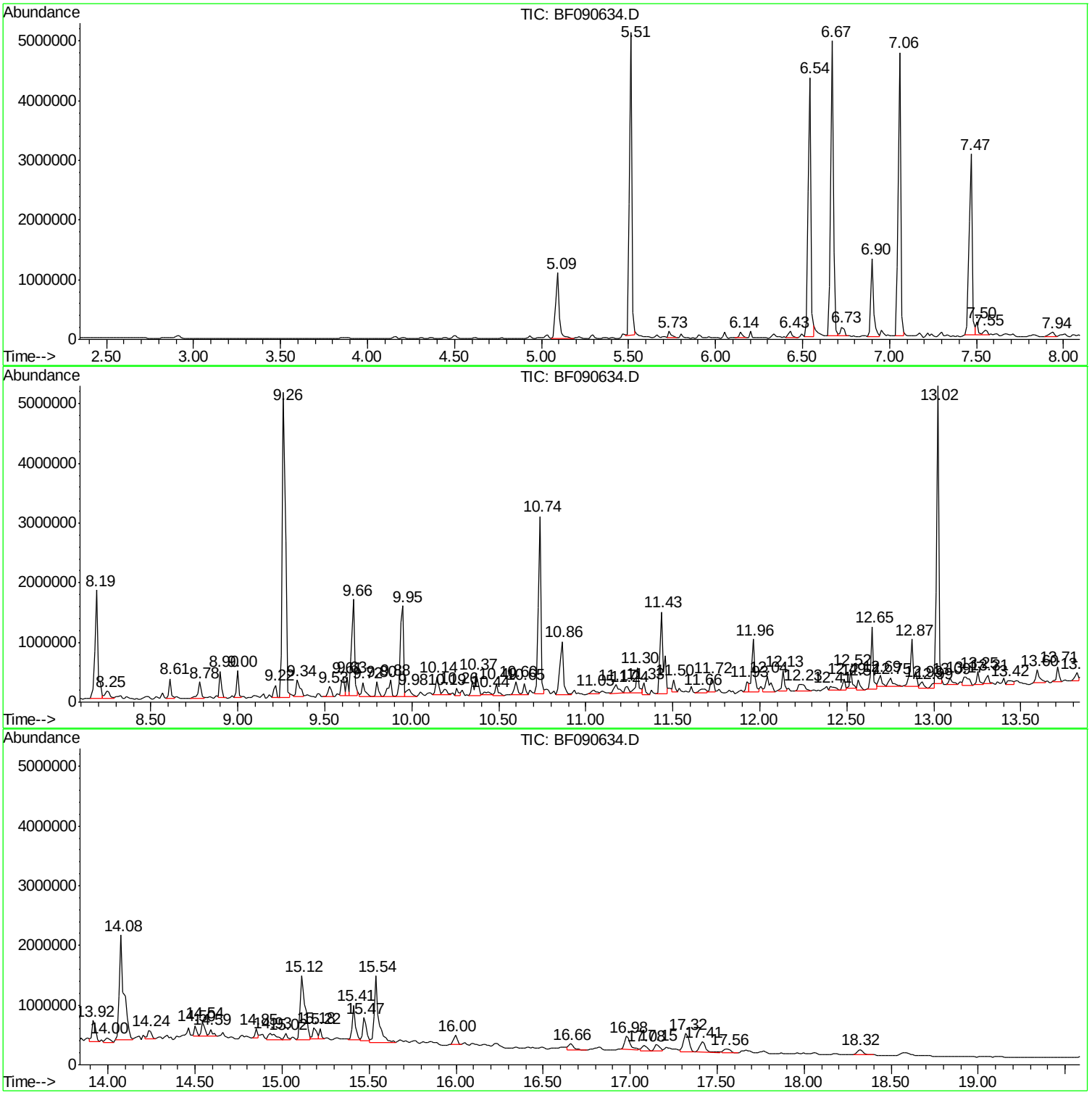
LSC Report - Integrated Chromatogram

Data Path : U:\HPCHEM1\BNA F\DATA\BF101816\
Data File : BF090634.D
Acq On : 18 Oct 2016 18:08
Operator : UM/SJ
Sample : H5289-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-3-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : U:\HPCHEM1\BNA F\DATA\BF101816\
Data File : BF090634.D
Acq On : 18 Oct 2016 18:08
Operator : UM/SJ
Sample : H5289-03
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Instrument : BNA_F
ClientSampleId : SP-3-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

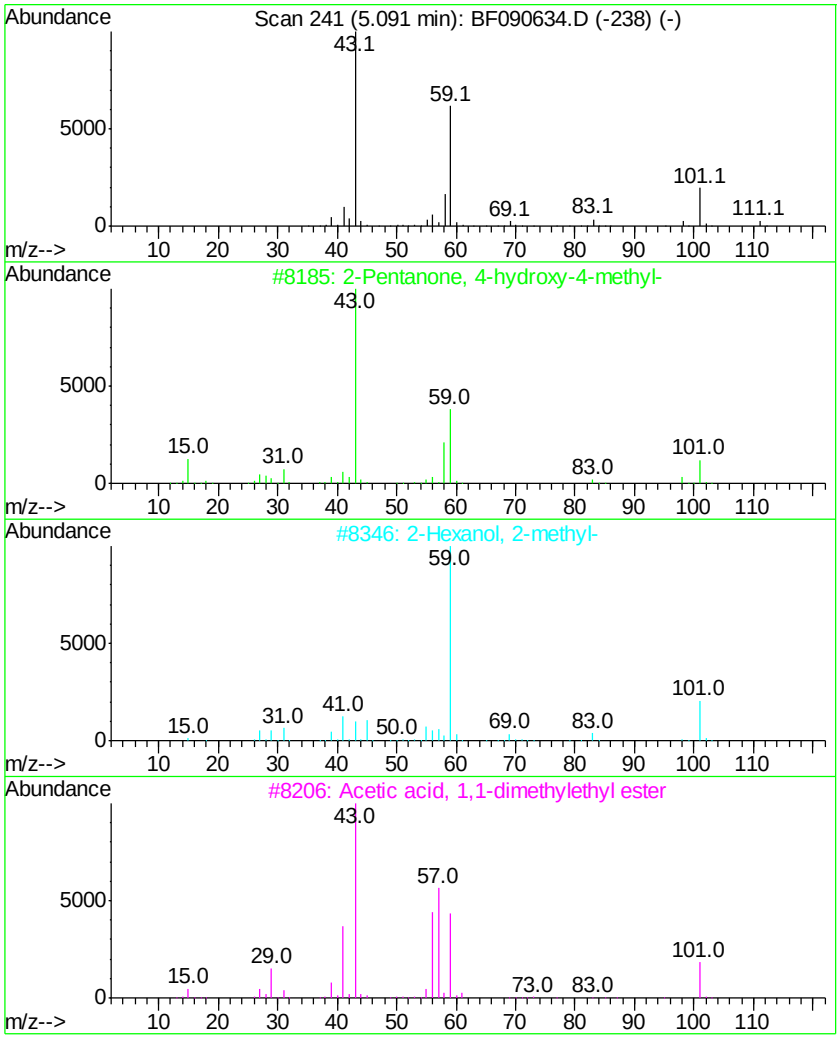
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

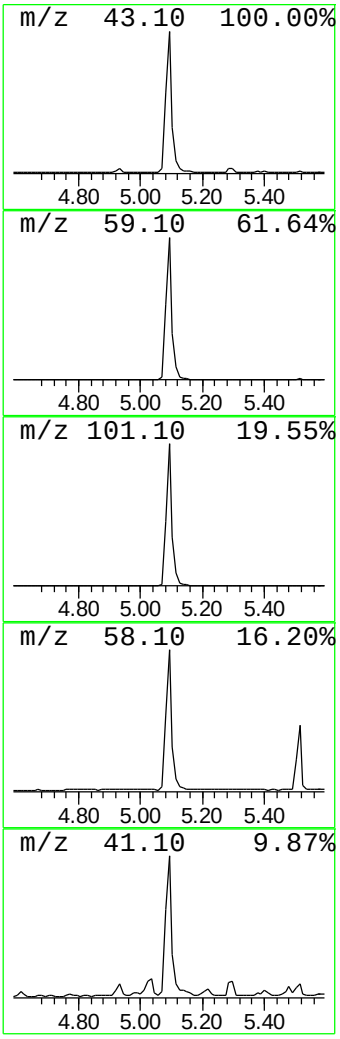
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.09	23.72 ng	1567690	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	53
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	25
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25





Library Search Compound Report

Data Path : U:\HPCHEM1\BNA F\DATA\BF101816\
Data File : BF090634.D
Acq On : 18 Oct 2016 18:08
Operator : UM/SJ
Sample : H5289-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-3-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

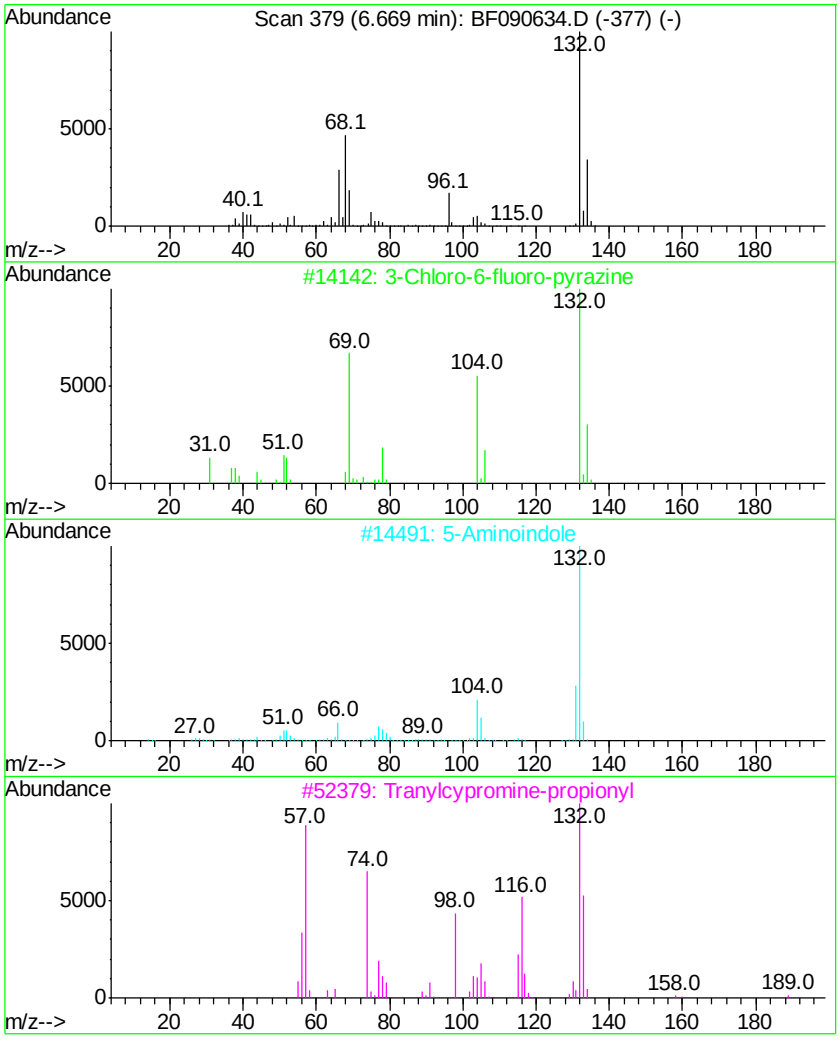
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

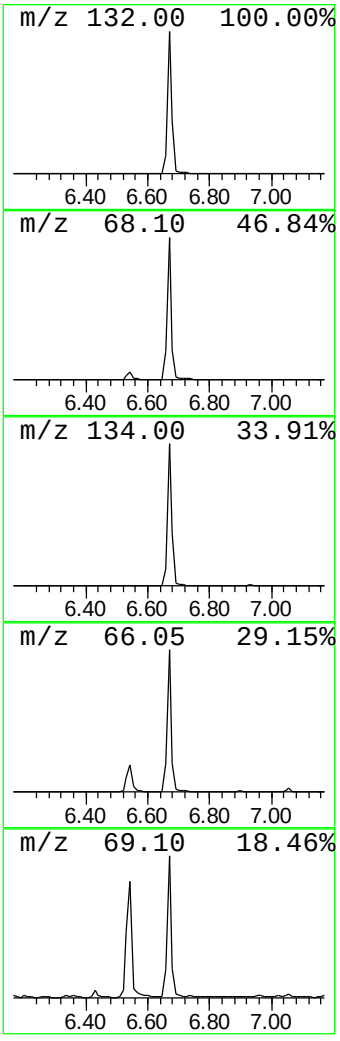
****

Peak Number 2 unknown6.67 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	75.34 ng	4980670	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





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Sample : H5289-03
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Instrument : BNA_F
ClientSampleId : SP-3-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

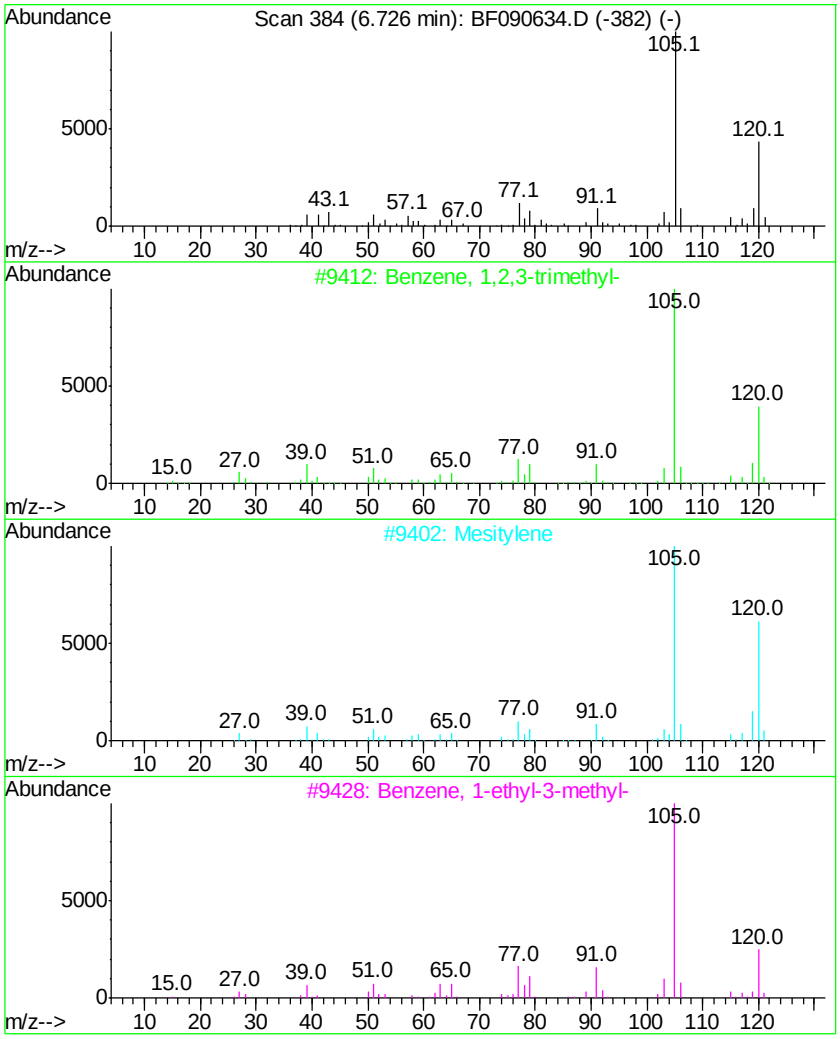
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

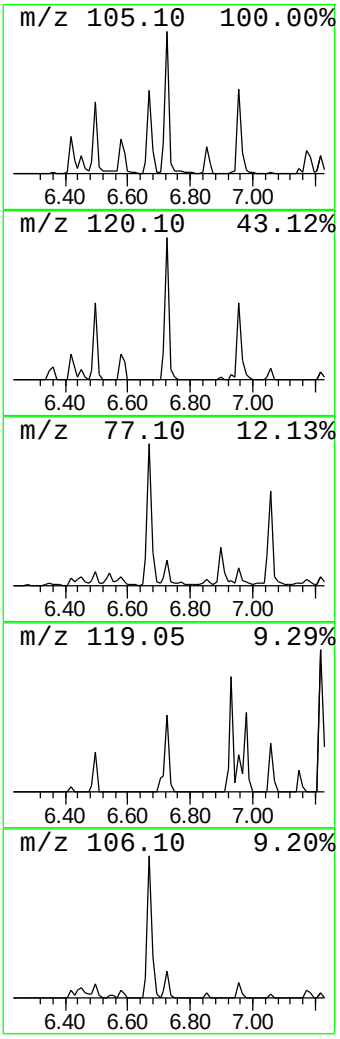
****

Peak Number 3 Benzene, 1,2,3-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	3.11 ng	205898	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Mesitylene	120	C9H12	000108-67-8	93
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





Data Path : U:\HPCHEM1\BNA F\DATA\BF101816\
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Instrument : BNA_F
ClientSampleId : SP-3-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

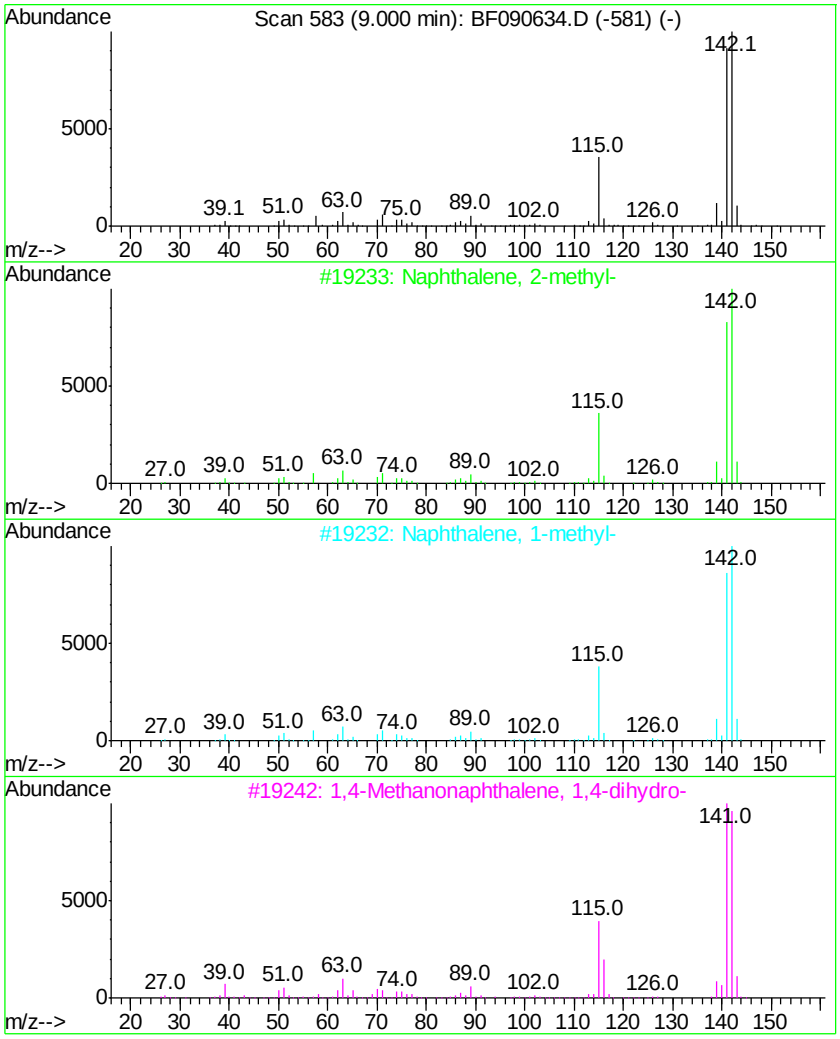
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

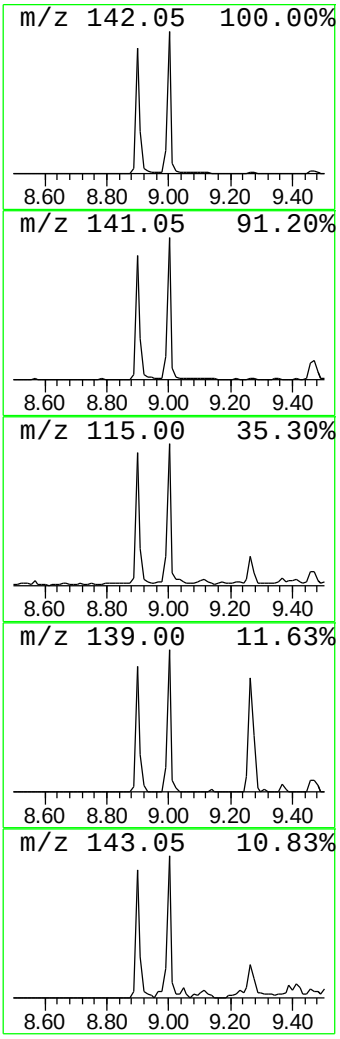
****

Peak Number 5 Naphthalene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.00	3.48 ng	405551	Naphthalene-d8	8.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	Benzocycloheptatriene	142	C11H10	000264-09-5	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64





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Data File : BF090634.D
Acq On : 18 Oct 2016 18:08
Operator : UM/SJ
Sample : H5289-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-3-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

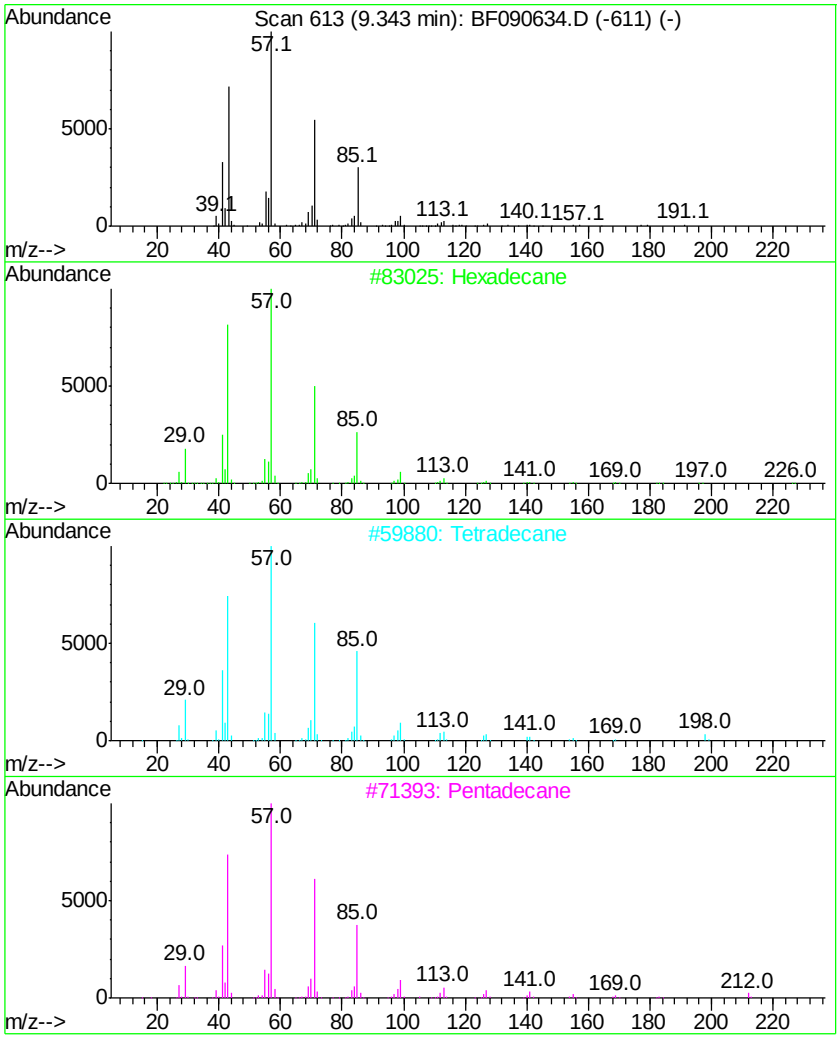
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

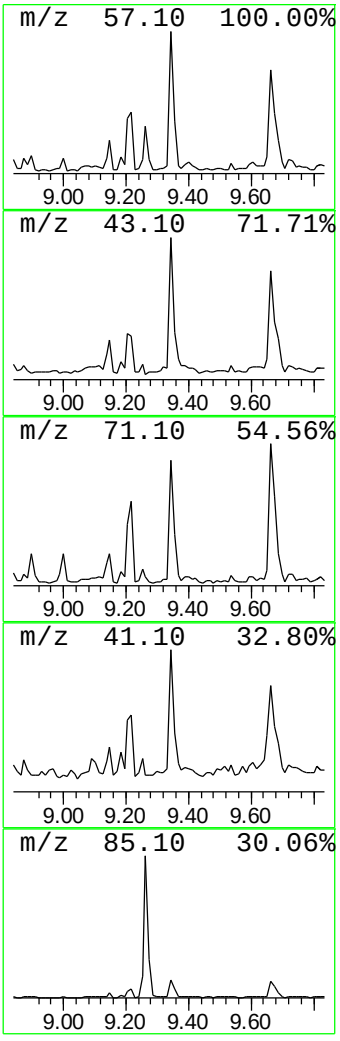
****

Peak Number 6 Hexadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.34	3.65 ng	388318	Acenaphthene-d10	9.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Tetradecane	198	C14H30	000629-59-4	90
3	Pentadecane	212	C15H32	000629-62-9	86
4	Sulfurous acid, 2-ethylhexyl hex...	278	C14H30O3S	1000309-20-2	72
5	Decane, 5-propyl-	184	C13H28	017312-62-8	64





Data Path : U:\HPCHEM1\BNA F\DATA\BF101816\
Data File : BF090634.D
Acq On : 18 Oct 2016 18:08
Operator : UM/SJ
Sample : H5289-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-3-3

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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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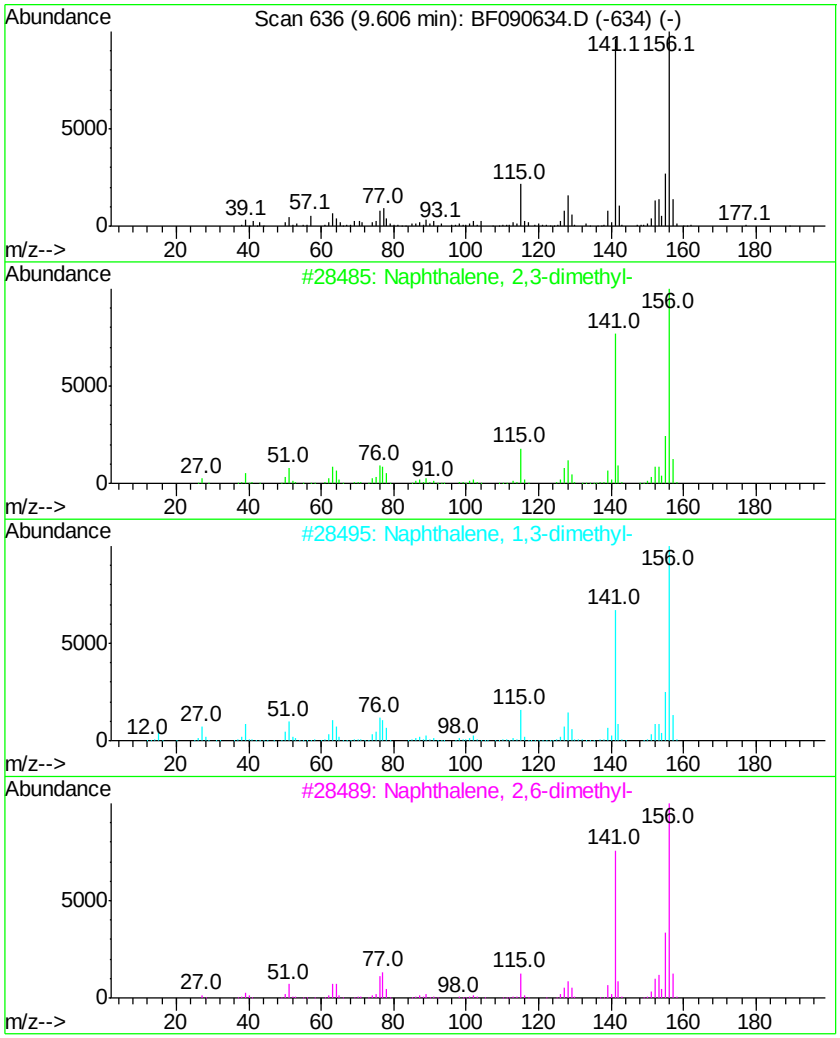
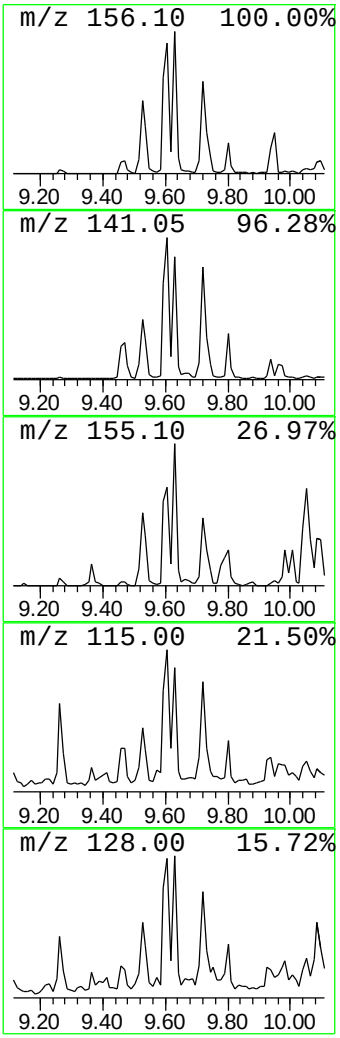
Peak Number 7 Naphthalene, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.61	3.97 ng	422886	Acenaphthene-d10	9.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97





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Sample : H5289-03
Misc :
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Instrument : BNA_F
ClientSampleId : SP-3-3

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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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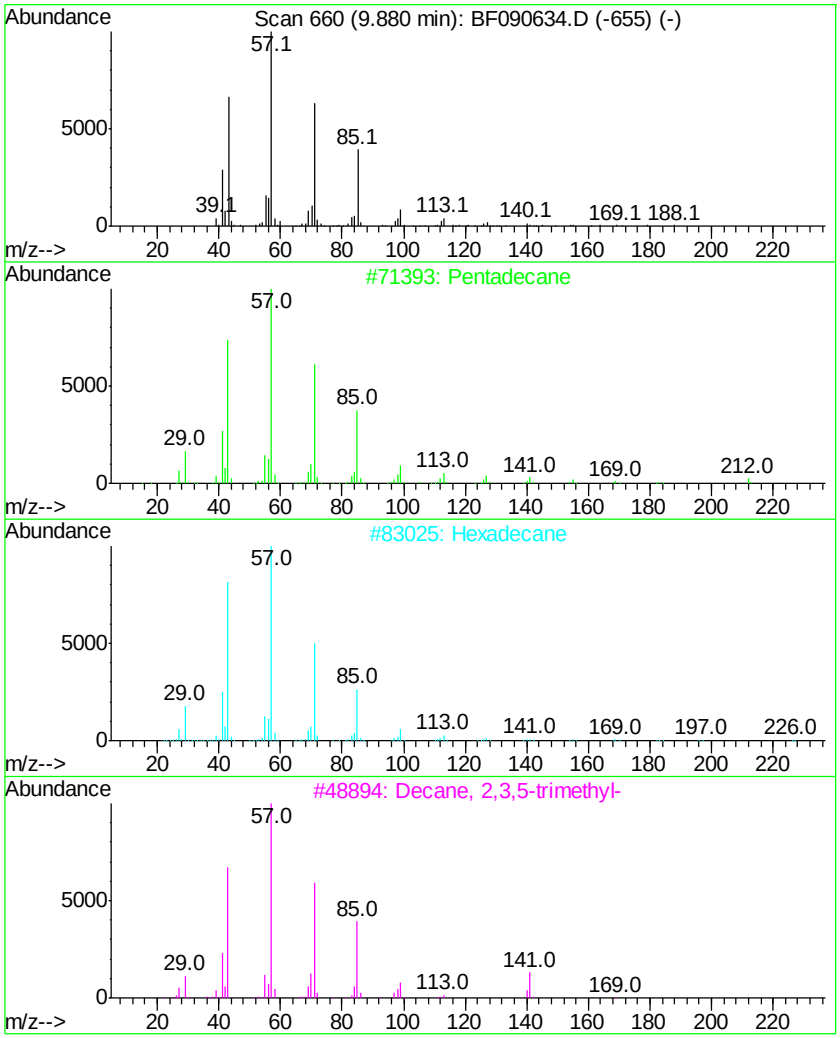
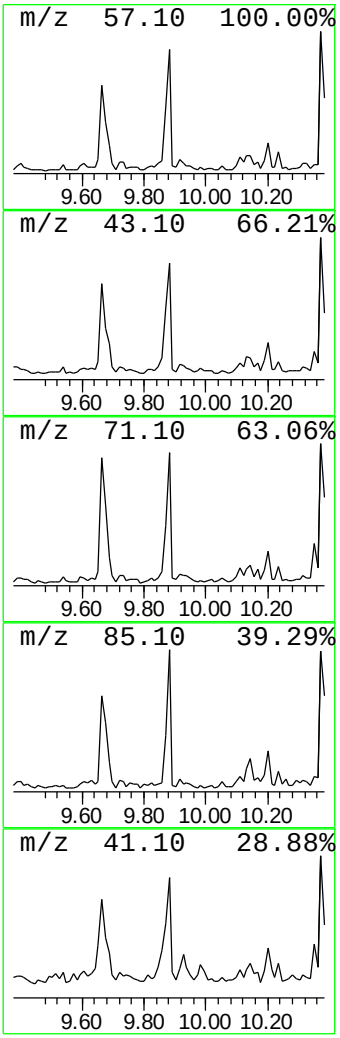
Peak Number 8 Pentadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.88	4.28 ng	455266	Acenaphthene-d10	9.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	90
2	Hexadecane	226	C16H34	000544-76-3	90
3	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	83
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	72
5	Tetradecane	198	C14H30	000629-59-4	72





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ClientSampleId : SP-3-3

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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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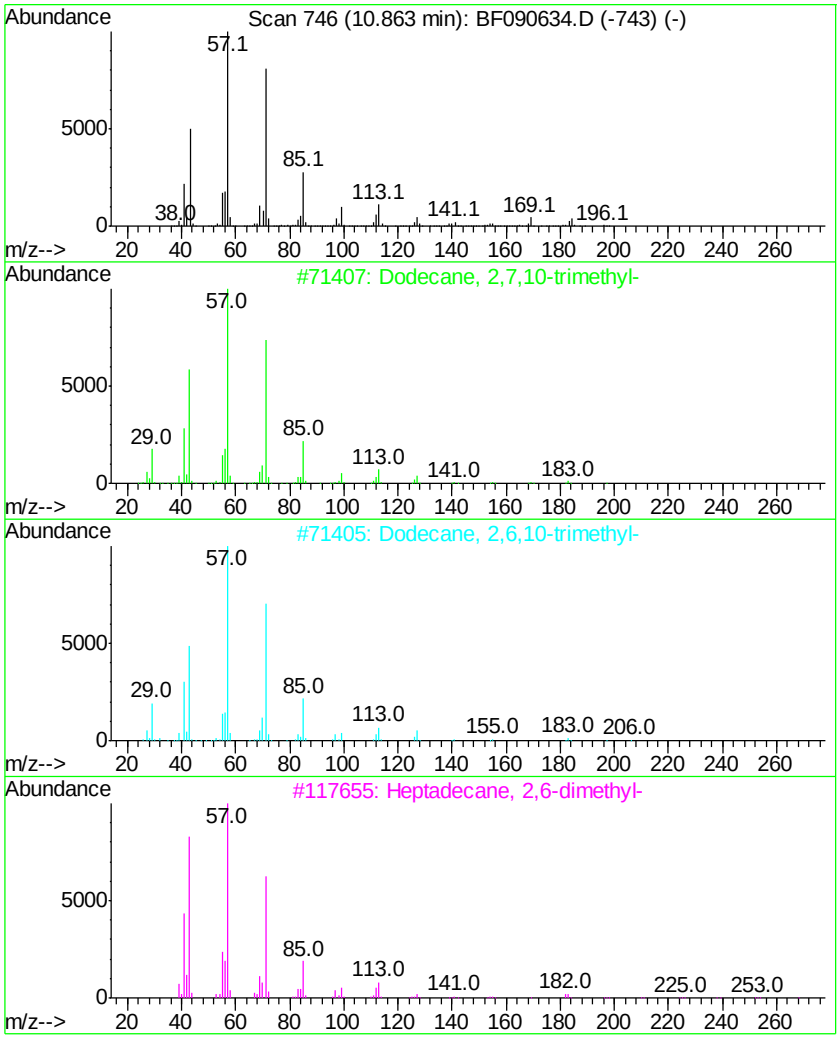
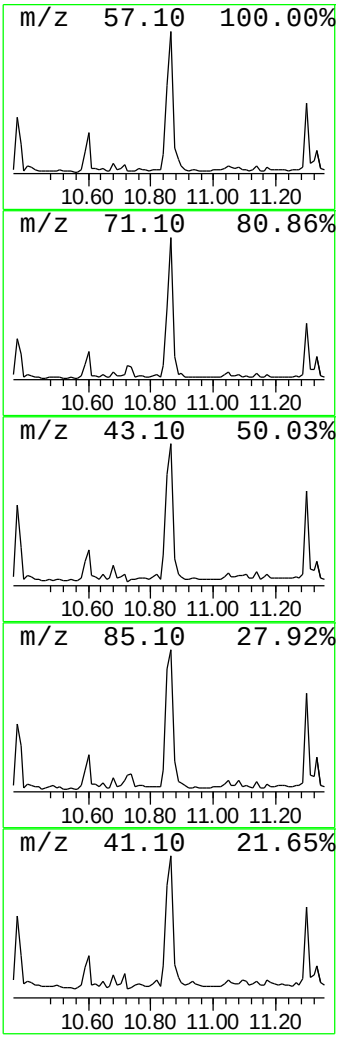
Peak Number 10 Dodecane, 2,7,10-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.86	11.36 ng	1219030	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	87
2	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	86
3	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	80
4	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	72
5	Nonane, 3-methyl-5-propyl-	184	C13H28	031081-18-2	64





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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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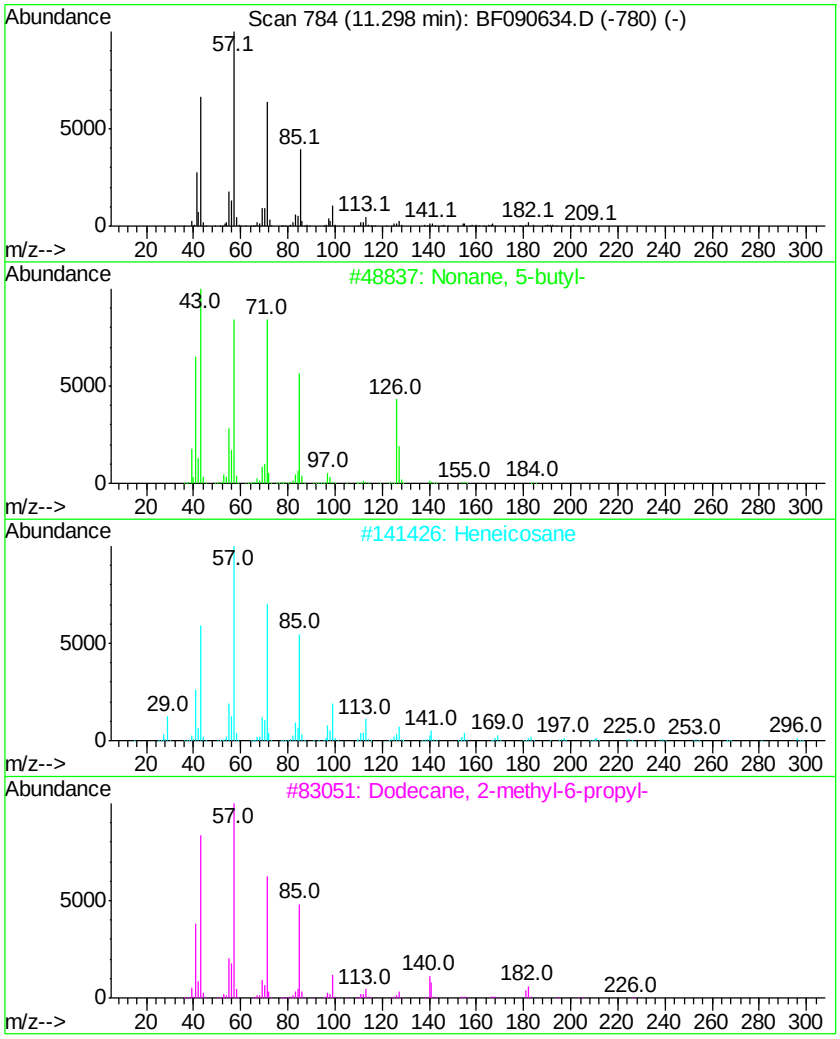
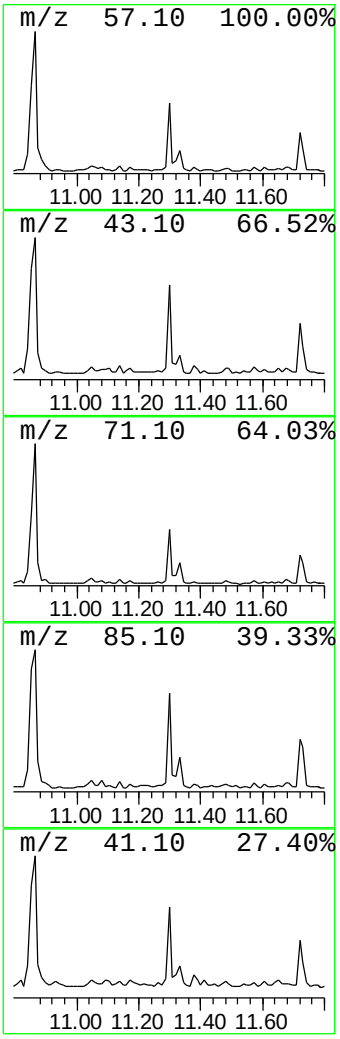
Peak Number 11 Nonane, 5-butyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	4.78 ng	512695	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 5-butyl-	184	C13H28	017312-63-9	94
2	Heneicosane	296	C21H44	000629-94-7	90
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80
4	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	80
5	Dodecane, 4-methyl-	184	C13H28	006117-97-1	74





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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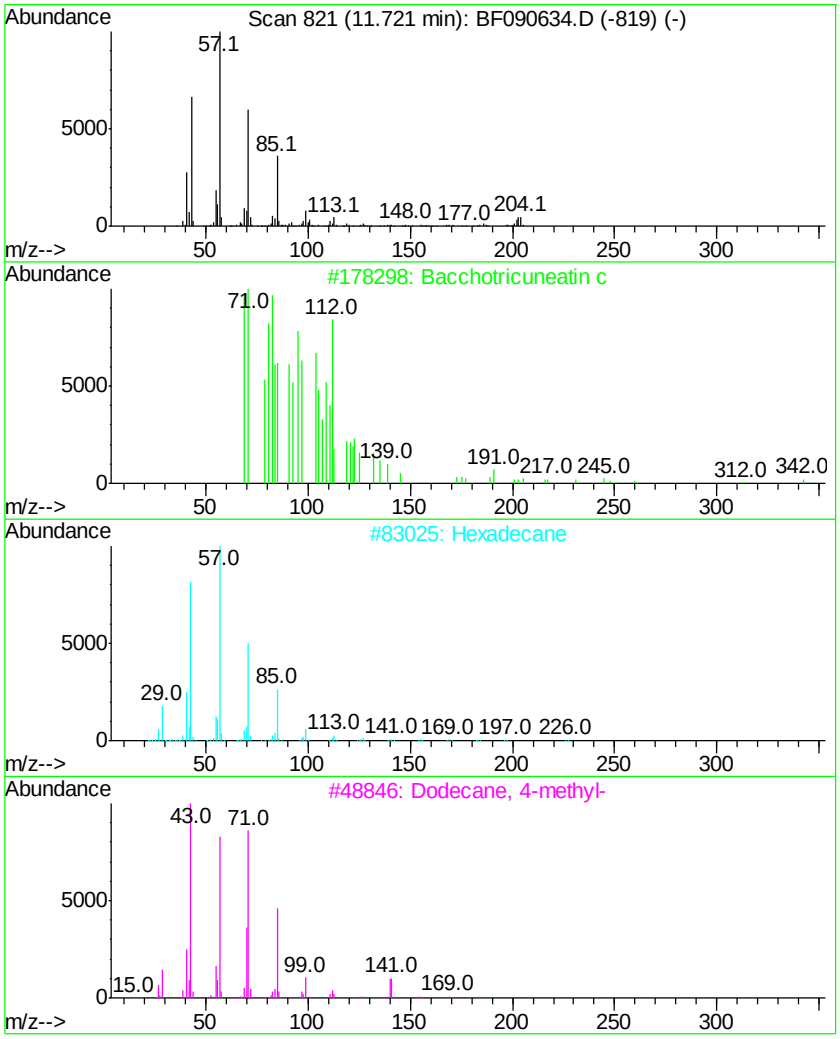
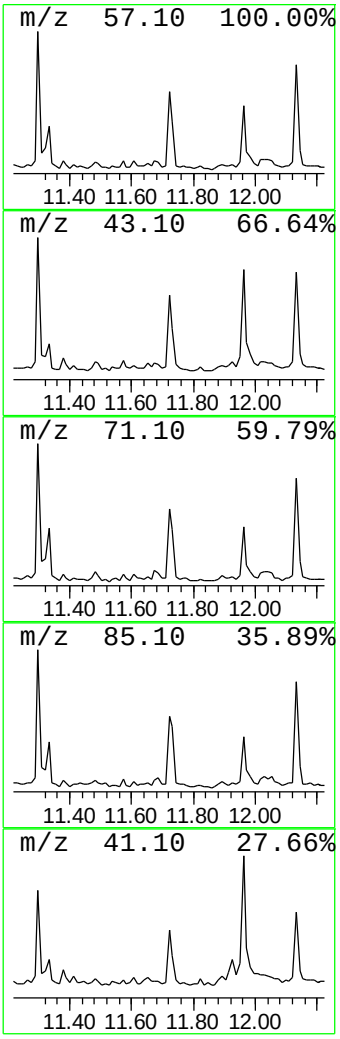
Peak Number 12 Bacchotricuneatin c Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	2.91 ng	312043	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bacchotricuneatin c	342	C20H22O5	066563-30-2	98
2	Hexadecane	226	C16H34	000544-76-3	72
3	Dodecane, 4-methyl-	184	C13H28	006117-97-1	64
4	Dodecane, 3-methyl-	184	C13H28	017312-57-1	64
5	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	58





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

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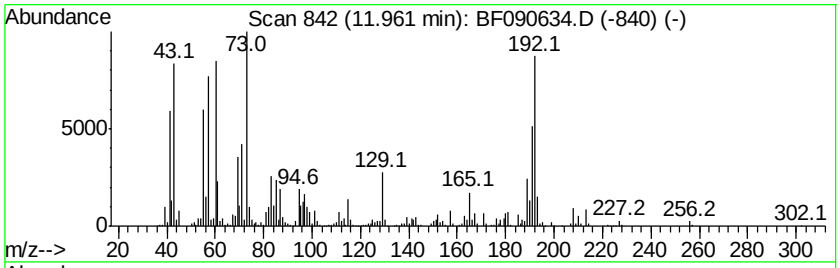
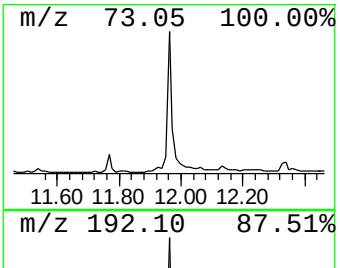
Peak Number 13 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	8.65 ng	927905	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	78





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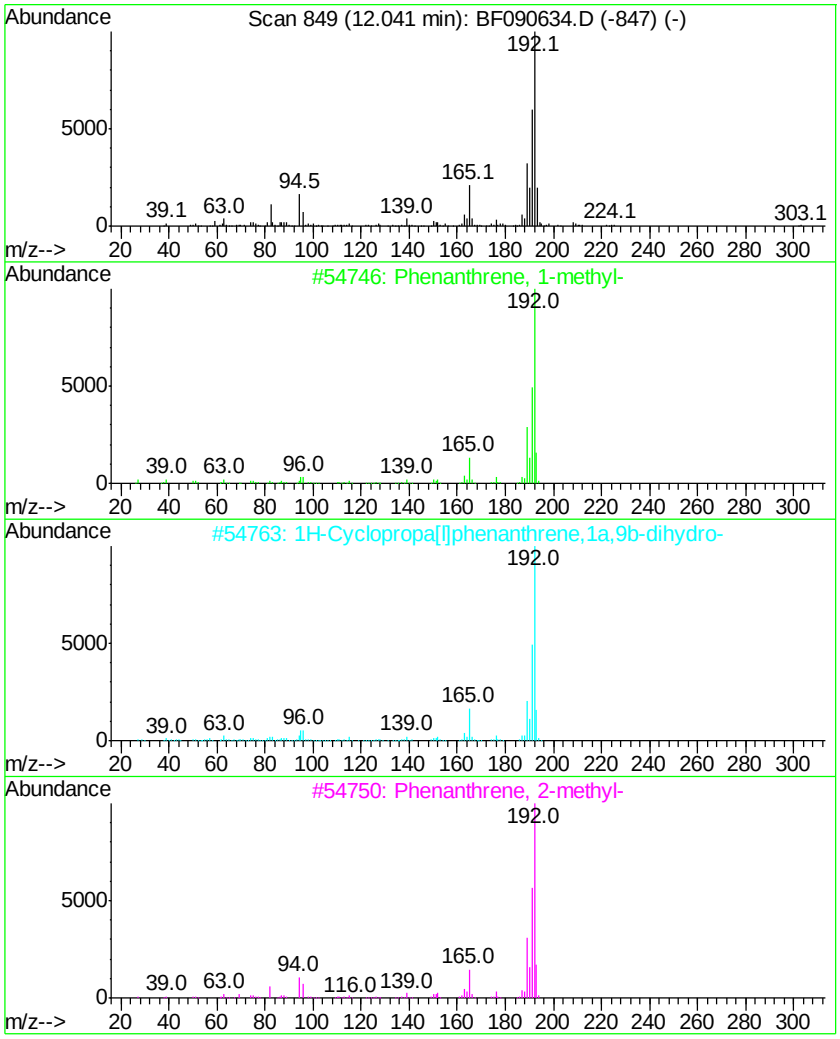
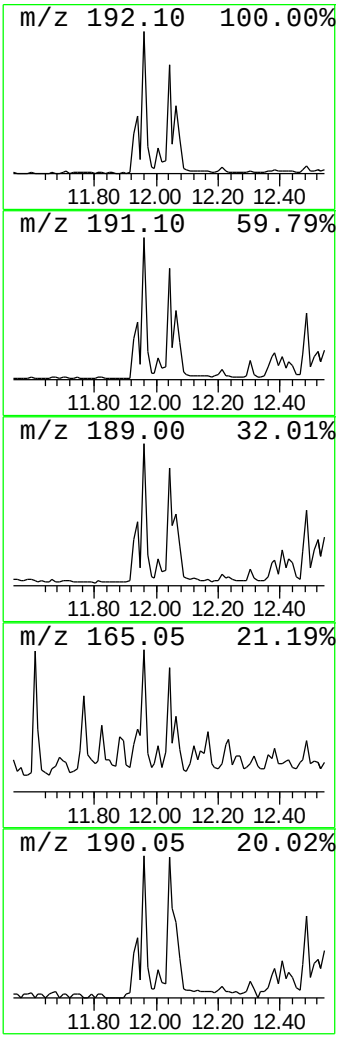
Peak Number 14 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	4.11 ng	441446	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	92





Library Search Compound Report

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ClientSampleId : SP-3-3

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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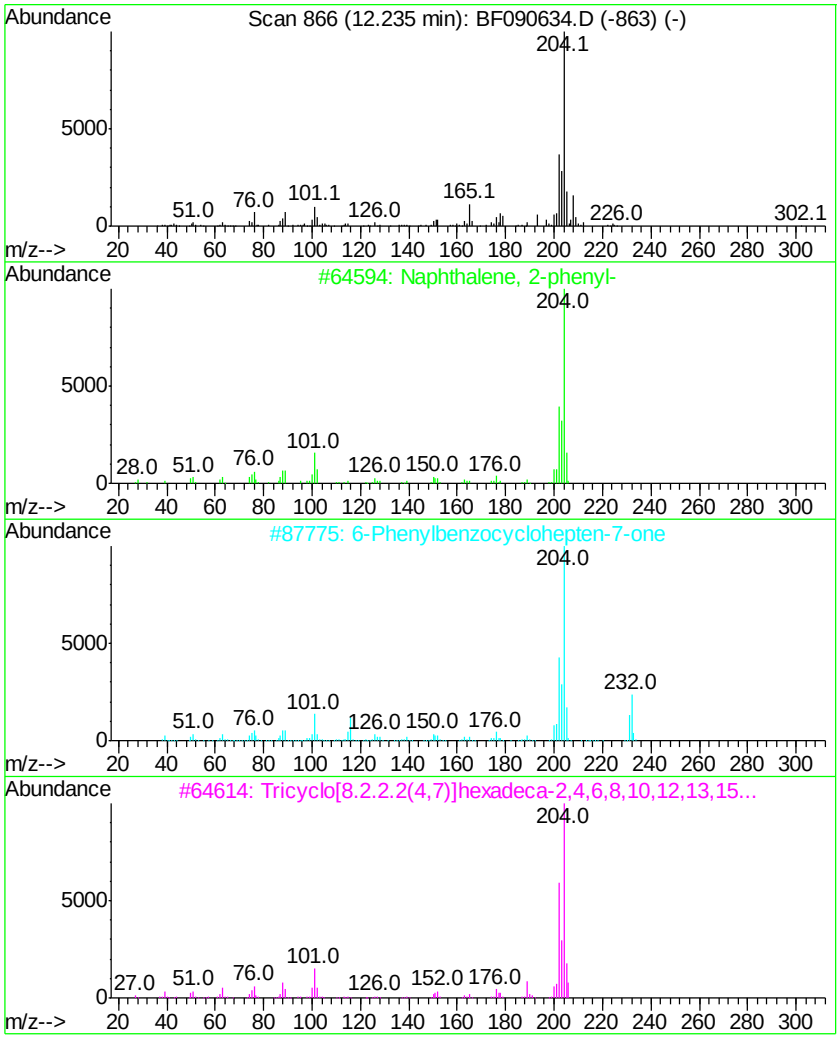
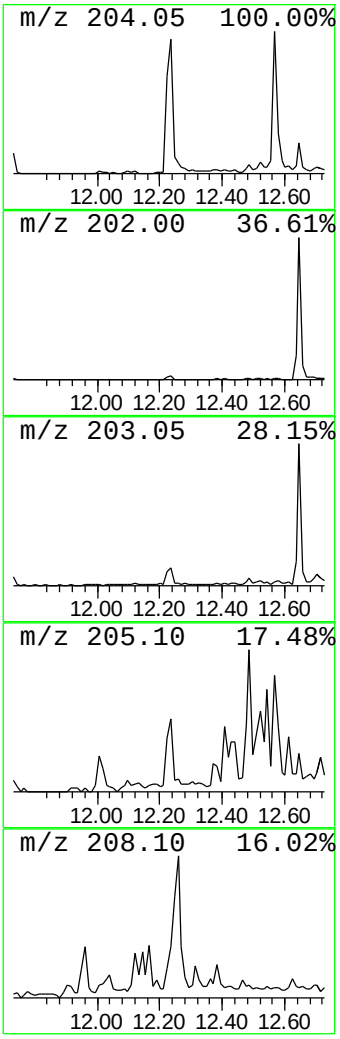
Peak Number 16 Naphthalene, 2-phenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.23	2.97 ng	319086	Phenanthrene-d10	11.43

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	74
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	53
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	53





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ClientSampleId : SP-3-3

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TIC Library : C:\DATABASE\NIST11.L
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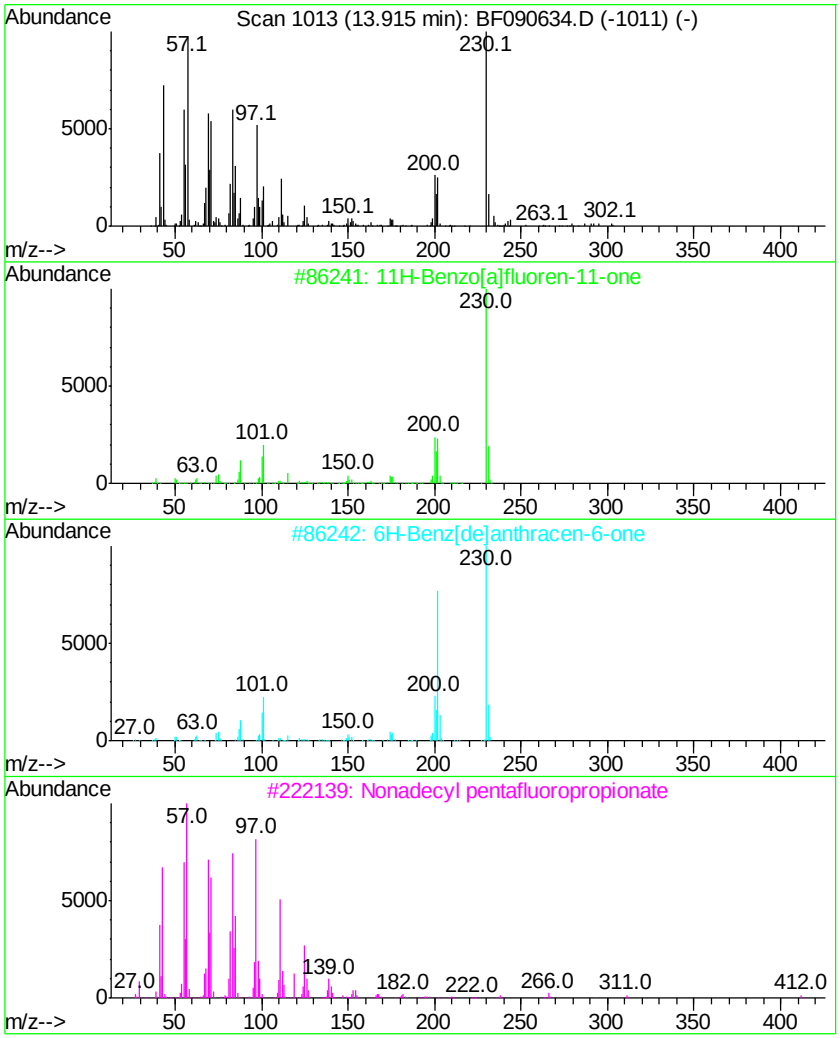
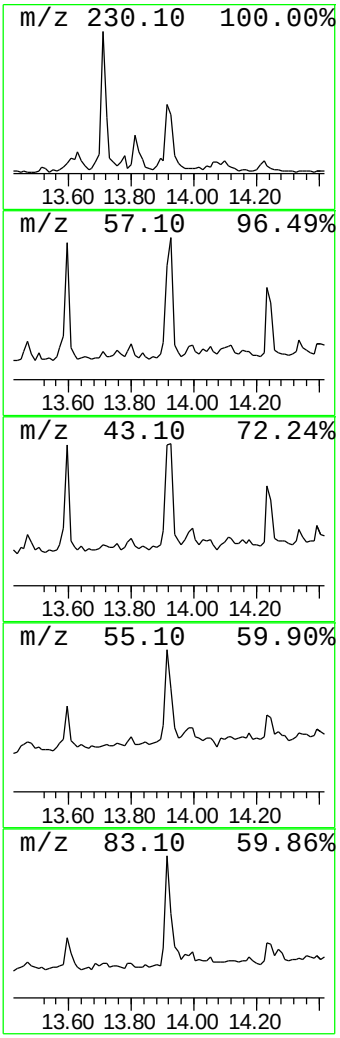
Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	3.09 ng	494034	Chrysene-d12	14.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	84
2	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	80
3	Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	50
4	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	45
5	Heneicosyl heptafluorobutyrate	508	C25H43F7O2	1000351-83-8	45





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TIC Library : C:\DATABASE\NIST11.L
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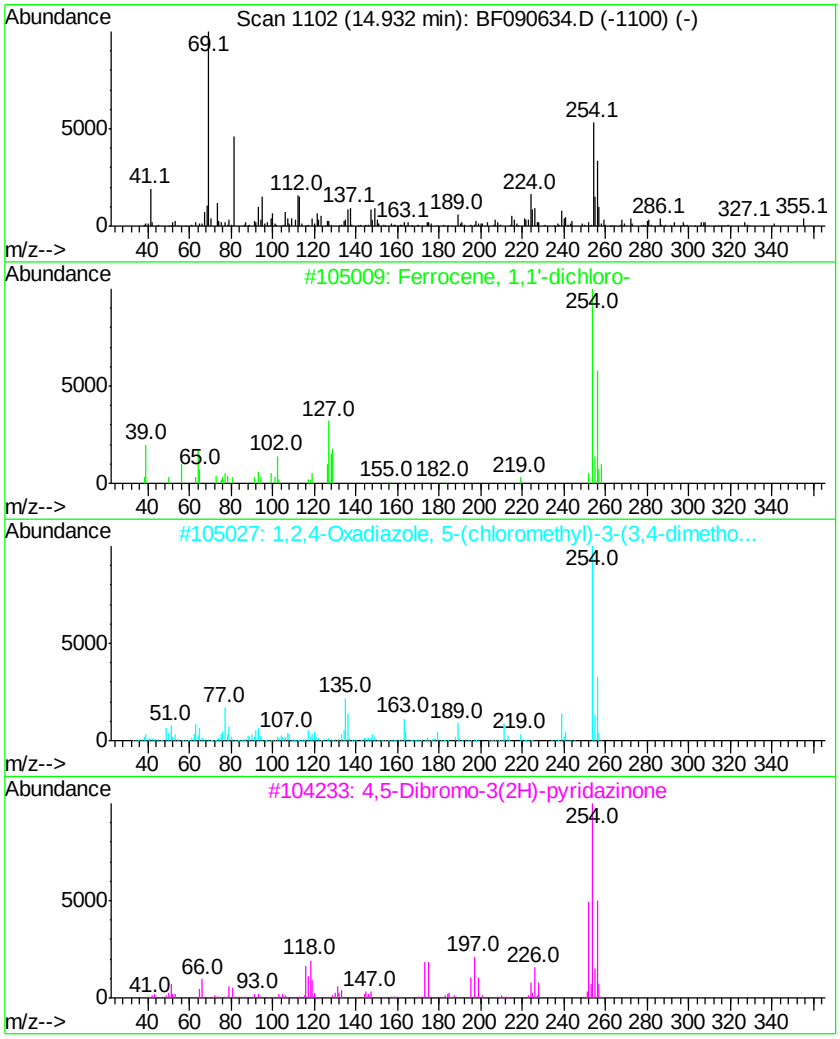
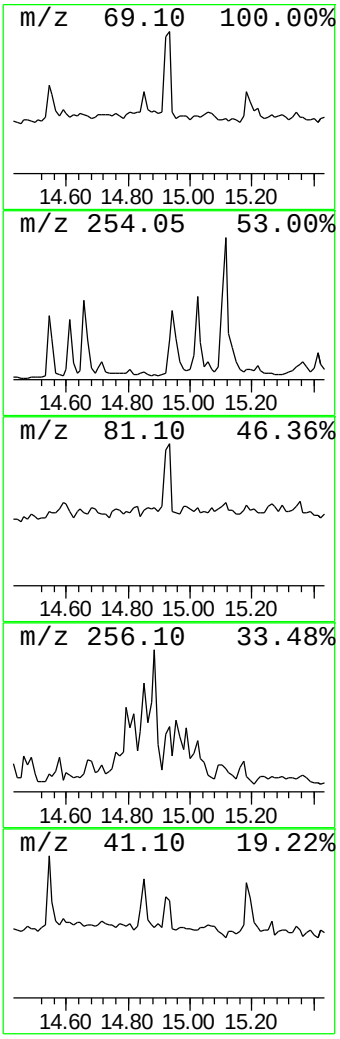
Peak Number 18 unknown14.93 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	3.06 ng	297607	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ferrocene, 1,1'-dichloro-	254	C10H8Cl2Fe	001293-67-0	22
2	1,2,4-Oxadiazole, 5-(chloromethy...	254	C11H11ClN2O3	1000338-17-0	18
3	4,5-Dibromo-3(2H)-pyridazinone	252	C4H2Br2N2O	005788-58-9	16
4	Phenanthrene, 2-phenyl-	254	C20H14	004325-77-3	14
5	[1,1'-Biphenyl]-3,3'-diol, 4,4'-...	254	C12H8Cl2O2	053905-37-6	12





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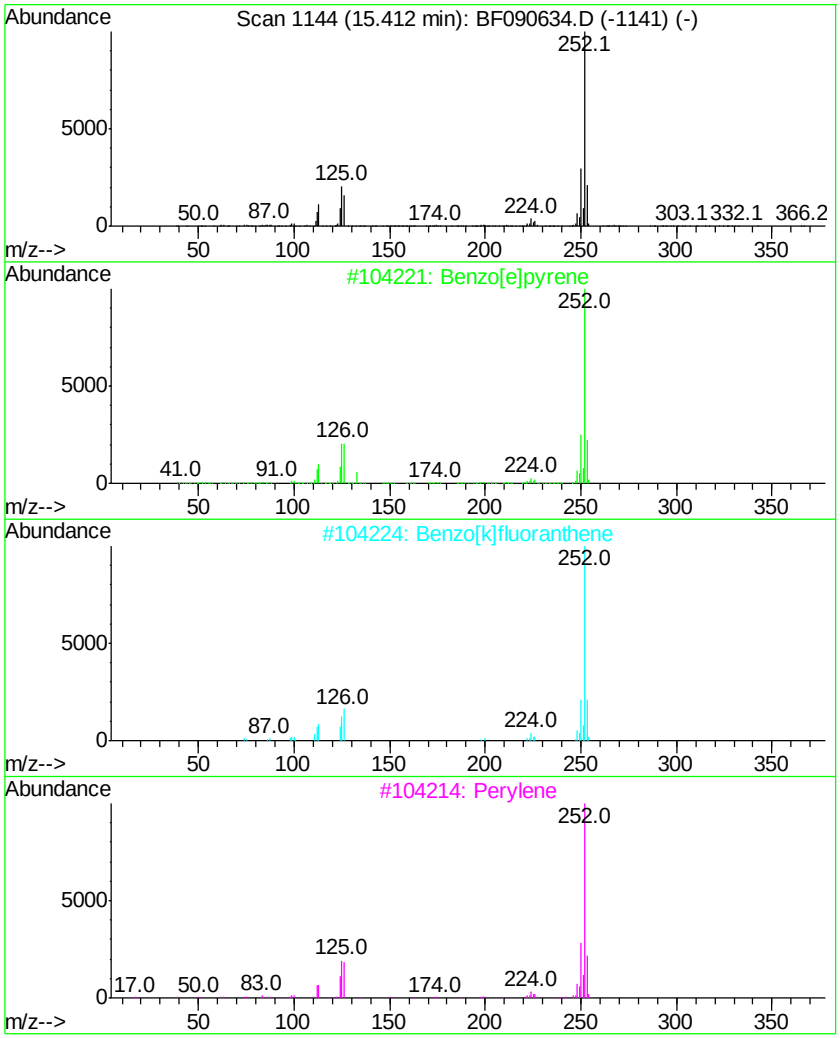
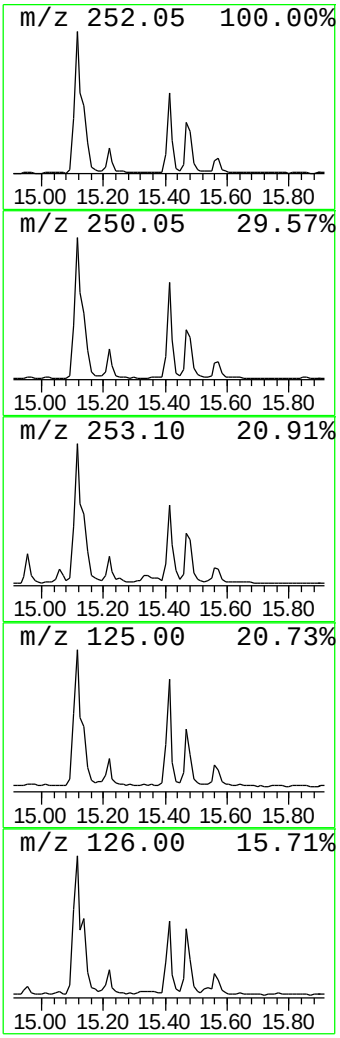
Peak Number 19 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.41	7.29 ng	708139	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Perylene	252	C20H12	000198-55-0	98
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
5	Benzo[a]pyrene	252	C20H12	000050-32-8	96





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ClientSampleId : SP-3-3

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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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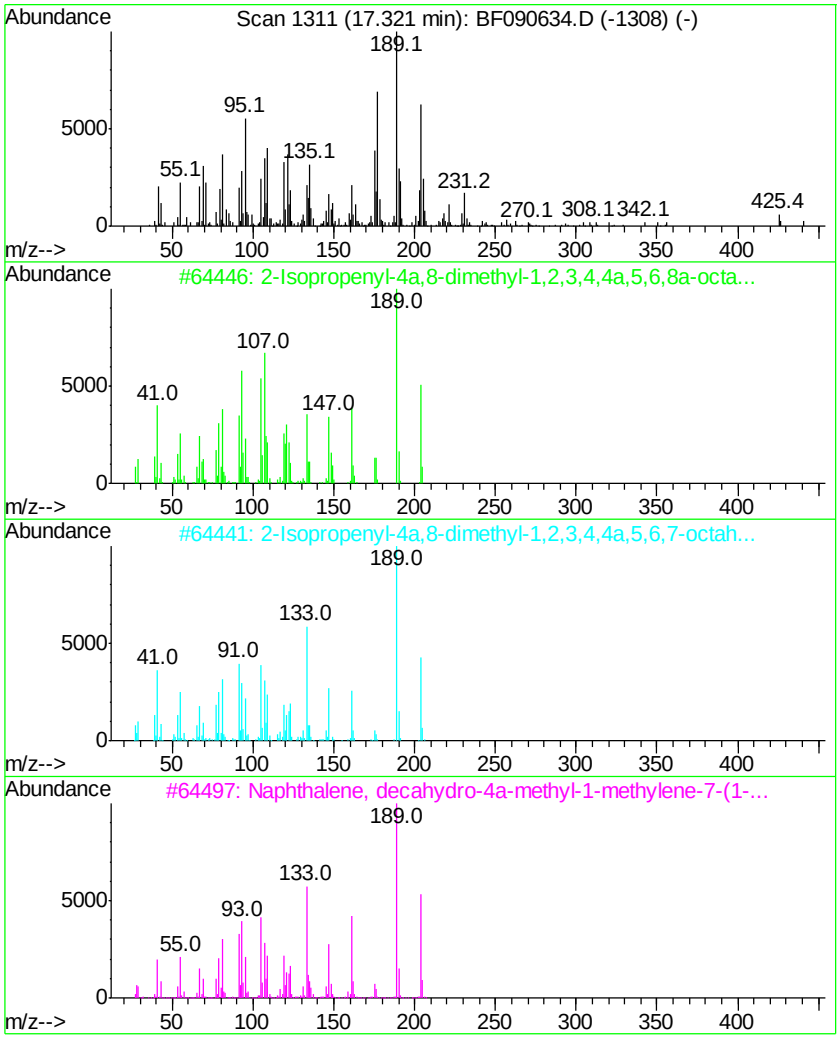
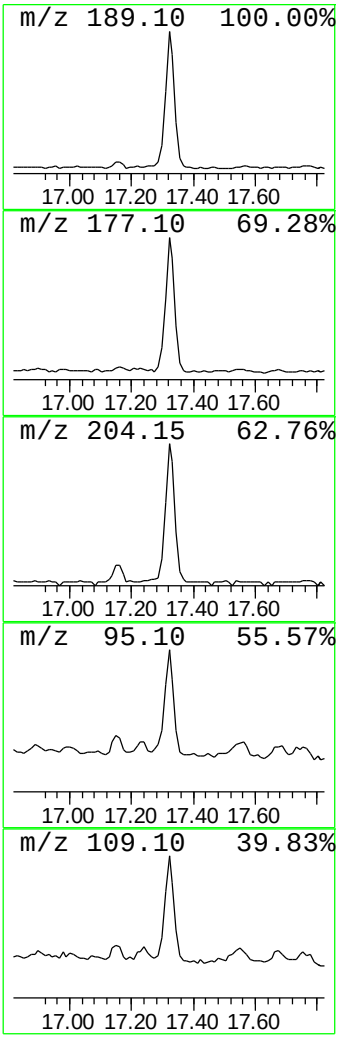
Peak Number 20 2-Isopropenyl-4a,8-dimethyl... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.32	6.50 ng	631662	Perylene-d12	15.54

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Isopropenyl-4a,8-dimethyl-1,2,...	204	C15H24	1000193-57-0	83
2	2-Isopropenyl-4a,8-dimethyl-1,2,...	204	C15H24	1000192-43-5	43
3	Naphthalene, decahydro-4a-methyl...	204	C15H24	000515-17-3	43
4	2,10,10-Trimethyltricyclo[7.1.1....	204	C14H20O	1000210-81-9	30
5	3,4-Dihydrocoumarin, 4,4,7,8-tet...	204	C13H16O2	040614-36-6	30





Tentatively Identified Compound (LSC) summary

Data Path : U:\HPCHEM1\BNA_F\DATA\BF101816\
Data File : BF090634.D
Acq On : 18 Oct 2016 18:08
Operator : UM/SJ
Sample : H5289-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-3-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.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...	5.09	23.7	ng	1567690	1	6.90	1322110	20.0
unknown6.67	6.67	75.3	ng	4980670	1	6.90	1322110	20.0
Benzene, 1,2,3-tr...	6.73	3.1	ng	205898	1	6.90	1322110	20.0
Naphthalene, 1-me...	9.00	3.5	ng	405551	2	8.19	2329970	20.0
Hexadecane	9.34	3.6	ng	388318	3	9.95	2128150	20.0
Naphthalene, 2,3-...	9.61	4.0	ng	422886	3	9.95	2128150	20.0
Pentadecane	9.88	4.3	ng	455266	3	9.95	2128150	20.0
Dodecane, 2,7,10-...	10.86	11.4	ng	1219030	4	11.43	2145700	20.0
Nonane, 5-butyl-	11.30	4.8	ng	512695	4	11.43	2145700	20.0
Bacchotricuneatin c	11.72	2.9	ng	312043	4	11.43	2145700	20.0
n-Hexadecanoic acid	11.96	8.7	ng	927905	4	11.43	2145700	20.0
Phenanthrene, 1-m...	12.04	4.1	ng	441446	4	11.43	2145700	20.0
Naphthalene, 2-ph...	12.23	3.0	ng	319086	4	11.43	2145700	20.0
11H-Benzo[a]fluor...	13.92	3.1	ng	494034	5	14.08	3195550	20.0
unknown14.93	14.93	3.1	ng	297607	6	15.54	1943200	20.0
Benzo[e]pyrene	15.41	7.3	ng	708139	6	15.54	1943200	20.0
2-Isopropenyl-4a,...	17.32	6.5	ng	631662	6	15.54	1943200	20.0