LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092316\
Data File : BF090210.D
Acq On : 23 Sep 2016 21:01
Operator : UM/SJ
Sample : H4895-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RICHMOND-REC-SELECTFILL

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-BF092016.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	1.655	5	6	60	rVB	2738169	7479637	100.00%	14.833%
2	3.793	189	193	207	rBV	959139	1690841	22.61%	3.353%
3	4.593	258	263	265	rBV	1396841	2315453	30.96%	4.592%
4	5.050	301	303	306	rBV	526913	598795	8.01%	1.187%
5	5.656	350	356	360	rBV	123447	216707	2.90%	0.430%
6	5.736	360	363	366	rVB2	68562	85246	1.14%	0.169%
7	6.147	397	399	405	rBV	1427238	1766063	23.61%	3.502%
8	6.262	407	409	411	rVV	876468	1119583	14.97%	2.220%
9	6.490	427	429	431	rBV	803273	692634	9.26%	1.374%
10	6.650	441	443	445	rBV	2013465	2007138	26.83%	3.980%
11	7.062	476	479	483	rBV	1418426	1372344	18.35%	2.721%
12	7.119	483	484	486	rVV	94843	88729	1.19%	0.176%
13	7.313	499	501	503	rBV2	55872	92398	1.24%	0.183%
14	7.530	515	520	521	rBV4	48250	97422	1.30%	0.193%
15	7.690	532	534	536	rBV	141072	115372	1.54%	0.229%
16	7.782	539	542	544	rVV	980118	1206545	16.13%	2.393%
17	7.816	544	545	548	rVV2	207597	202031	2.70%	0.401%
18	7.965	555	558	562	rBV	86855	153953	2.06%	0.305%
19	8.228	579	581	584	rVV2	87689	97092	1.30%	0.193%
20	8.399	594	596	598	rBV	166123	168131	2.25%	0.333%
21	8.490	602	604	606	rVB	164886	149387	2.00%	0.296%
22	8.582	610	612	615	rVB2	70356	108273	1.45%	0.215%
23	8.696	618	622	623	rBV3	39473	74899	1.00%	0.149%
24	8.822	629	633	634	rBV3	85664	115462	1.54%	0.229%
25	8.856	634	636	639	rVV	2470658	2351001	31.43%	4.662%
26	8.959	640	645	647	rBV	231640	241192	3.22%	0.478%
27	9.108	656	658	660	rBV	64121	96095	1.28%	0.191%
28	9.188	662	665	666	rVV2	81979	103312	1.38%	0.205%
29	9.210	666	667	669	rVV	98999	113368	1.52%	0.225%
30	9.256	669	671	677	rVB	689399	771015	10.31%	1.529%
31	9.485	689	691	692	rVV	202669	162098	2.17%	0.321%
32	9.519	692	694	696	rVV	1064665	939325	12.56%	1.863%
33	9.553	696	697	699	rVB	118292	95699	1.28%	0.190%
34	9.725	709	712	714	rBV	143575	184580	2.47%	0.366%

LSC Area Percent Report

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Acq On : 23 Sep 2016 21:01
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Sample : H4895-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RICHMOND-REC-SELECTFILL

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-BF092016.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.931	727	730	733	rBV4	43103	91995	1.23%	0.182%
36	9.976	733	734	736	rVB	173291	145941	1.95%	0.289%
37	10.056	740	741	743	rVB	203145	195763	2.62%	0.388%
38	10.193	751	753	759	rVB3	102355	222707	2.98%	0.442%
39	10.296	759	762	765	rBV3	86674	171934	2.30%	0.341%
40	10.445	773	775	779	rBV3	169538	334340	4.47%	0.663%
41	10.891	812	814	816	rBV3	163614	187985	2.51%	0.373%
42	10.925	816	817	820	rVB2	149255	131543	1.76%	0.261%
43	10.982	820	822	823	rBV	532443	636357	8.51%	1.262%
44	11.005	823	824	826	rVV	523350	639549	8.55%	1.268%
45	11.062	826	829	831	rVB	187062	205370	2.75%	0.407%
46	11.222	840	843	846	rBV4	124660	319144	4.27%	0.633%
47	11.314	849	851	854	rVV2	171070	263709	3.53%	0.523%
48	11.382	854	857	859	rVV3	99048	177183	2.37%	0.351%
49	11.485	864	866	867	rVV	138750	152137	2.03%	0.302%
50	11.519	867	869	871	rVV	105678	152541	2.04%	0.303%
51	11.588	871	875	877	rVV4	208300	478841	6.40%	0.950%
52	11.622	877	878	882	rVV3	148014	184442	2.47%	0.366%
53	11.691	882	884	885	rVV2	61697	85027	1.14%	0.169%
54	11.725	885	887	890	rVV2	204858	349212	4.67%	0.693%
55	11.782	890	892	893	rVV	551031	727434	9.73%	1.443%
56	11.805	893	894	898	rVB	110032	117713	1.57%	0.233%
57	11.942	903	906	908	rVV	517627	809787	10.83%	1.606%
58	12.034	909	914	915	rVV4	107487	333510	4.46%	0.661%
59	12.056	915	916	917	rVV	172133	187631	2.51%	0.372%
60	12.091	917	919	922	rVV2	569529	689370	9.22%	1.367%
61	12.182	926	927	931	rVV	453455	649711	8.69%	1.288%
62	12.239	931	932	935	rVV	476371	535157	7.15%	1.061%
63	12.285	935	936	938	rVB2	76638	95808	1.28%	0.190%
64	12.411	944	947	950	rBV	566495	584511	7.81%	1.159%
65	12.479	951	953	956	rVB3	447189	513397	6.86%	1.018%
66	12.537	956	958	959	rBV	213581	239714	3.20%	0.475%
67	12.571	959	961	963	rVV	1713623	1731570	23.15%	3.434%
68	12.617	963	965	968	rVB3	239170	327967	4.38%	0.650%
69	12.708	970	973	975	rBV	1742713	1925448	25.74%	3.818%
70	12.742	975	976	980	rVB3	118347	199255	2.66%	0.395%
71	12.811	980	982	983	rBV2	123614	108421	1.45%	0.215%

LSC Area Percent Report

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Operator : UM/SJ
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Misc :
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Instrument : BNA_F
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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
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.845	983	985	986	rBV2	146612	222088	2.97%	0.440%
73	12.925	990	992	993	rBV	133422	126344	1.69%	0.251%
74	12.971	993	996	1000	rVV5	91835	257030	3.44%	0.510%
75	13.039	1000	1002	1003	rVV	299637	404156	5.40%	0.801%
76	13.085	1003	1006	1008	rVB	2283536	2478934	33.14%	4.916%
77	13.177	1011	1014	1017	rVV3	158960	241402	3.23%	0.479%
78	13.485	1039	1041	1045	rBV3	228956	333120	4.45%	0.661%
79	13.599	1048	1051	1057	rBV3	708503	1315259	17.58%	2.608%
80	13.817	1068	1070	1073	rVB2	134184	169873	2.27%	0.337%
81	14.125	1094	1097	1100	rBV	198390	395104	5.28%	0.784%
82	14.411	1120	1122	1126	rBV3	161870	272335	3.64%	0.540%
83	14.594	1136	1138	1142	rBV	175270	378334	5.06%	0.750%
84	14.937	1166	1168	1169	rBV	296408	410022	5.48%	0.813%
85	15.348	1202	1204	1211	rVB3	220416	522729	6.99%	1.037%
86	15.497	1215	1217	1226	rVB	256477	571961	7.65%	1.134%
87	15.840	1245	1247	1252	rVB	191497	353429	4.73%	0.701%

Sum of corrected areas: 50426064

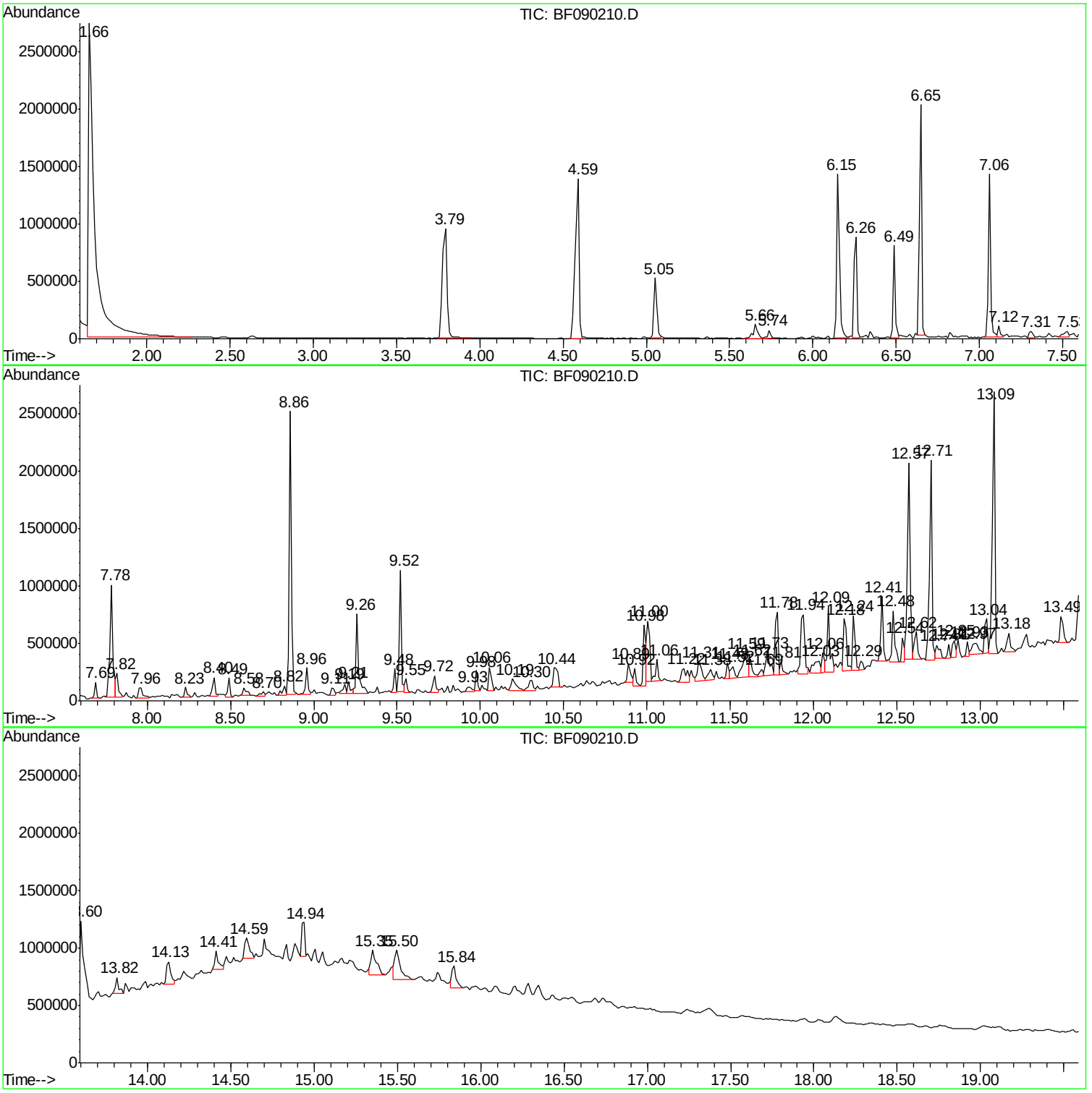
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092316\
Data File : BF090210.D
Acq On : 23 Sep 2016 21:01
Operator : UM/SJ
Sample : H4895-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RICHMOND-REC-SELECTFILL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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\BF092316\
Data File : BF090210.D
Acq On : 23 Sep 2016 21:01
Operator : UM/SJ
Sample : H4895-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RICHMOND-REC-SELECTFILL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

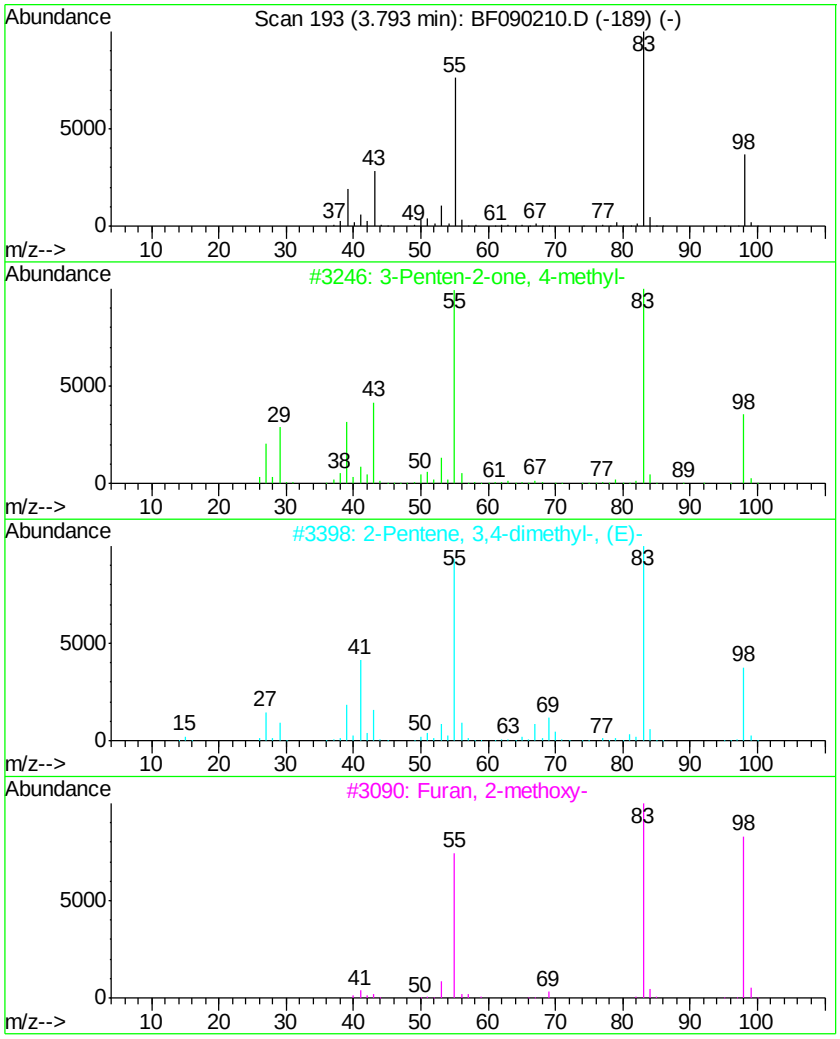
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

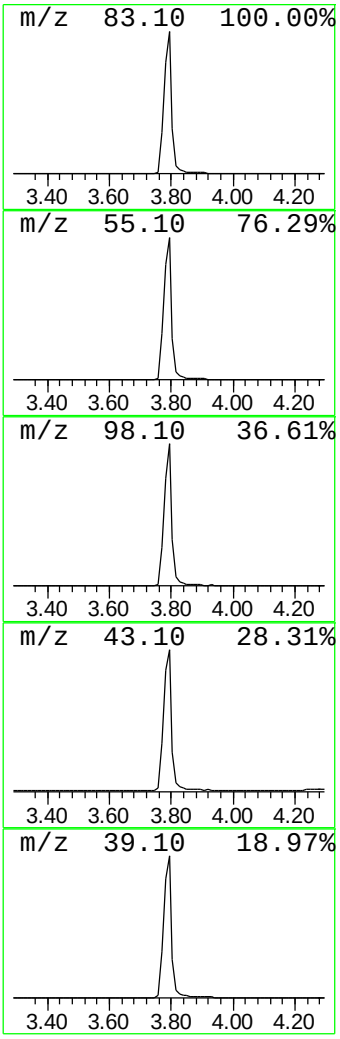
****

Peak Number 2 3-Penten-2-one, 4-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.79	48.82 ng	1690840	1,4-Dichlorobenzene-d4	6.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	86
3	Furan, 2-methoxy-	98	C5H6O2	025414-22-6	83
4	2-Pentene, 2,3-dimethyl-	98	C7H14	010574-37-5	78
5	2,4-Azetidinedione, 3,3-diethyl-	141	C7H11NO2	042282-85-9	78





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092316\
Data File : BF090210.D
Acq On : 23 Sep 2016 21:01
Operator : UM/SJ
Sample : H4895-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RICHMOND-REC-SELECTFILL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

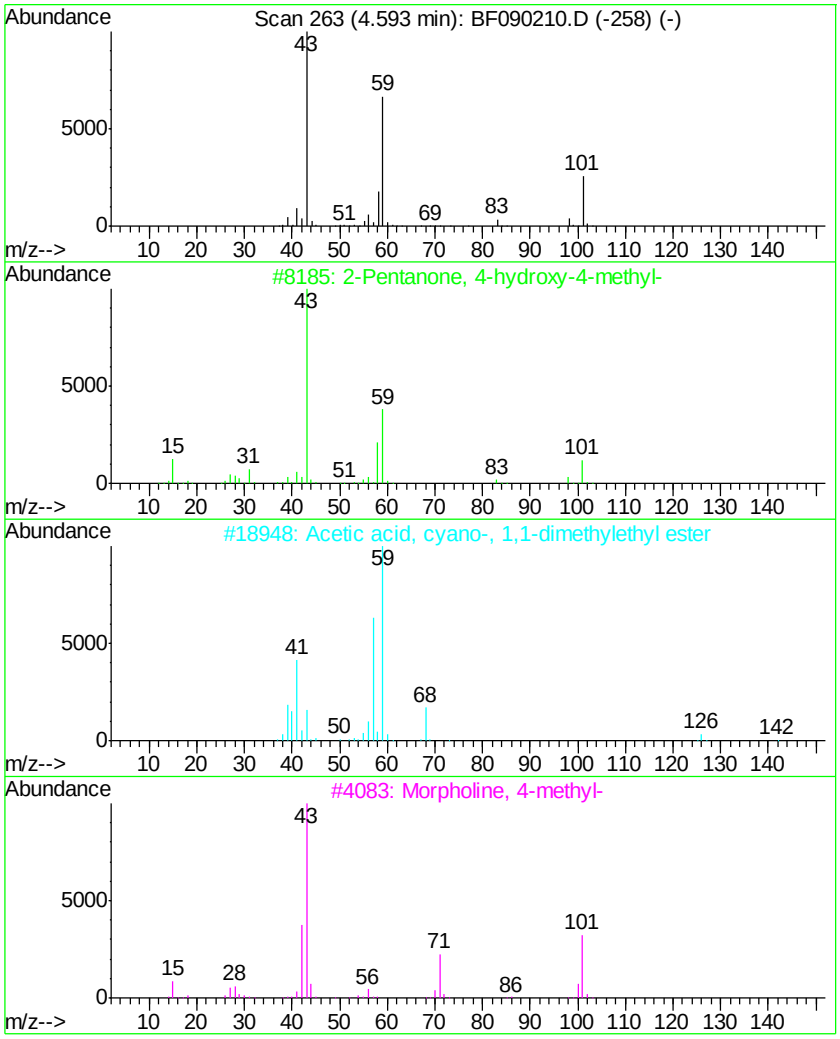
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

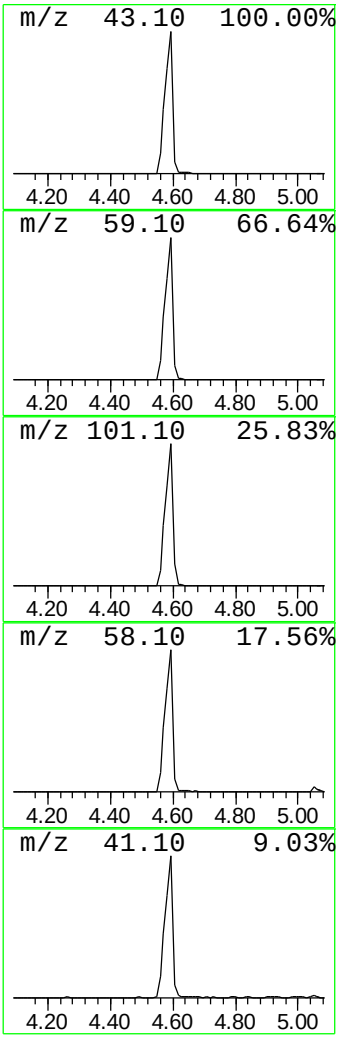
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.59	66.86 ng	2315450	1,4-Dichlorobenzene-d4	6.49

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	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	Guanidine	59	CH5N3	000113-00-8	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





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Instrument :
BNA_F
ClientSampleId :
RICHMOND-REC-SELECTFILL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

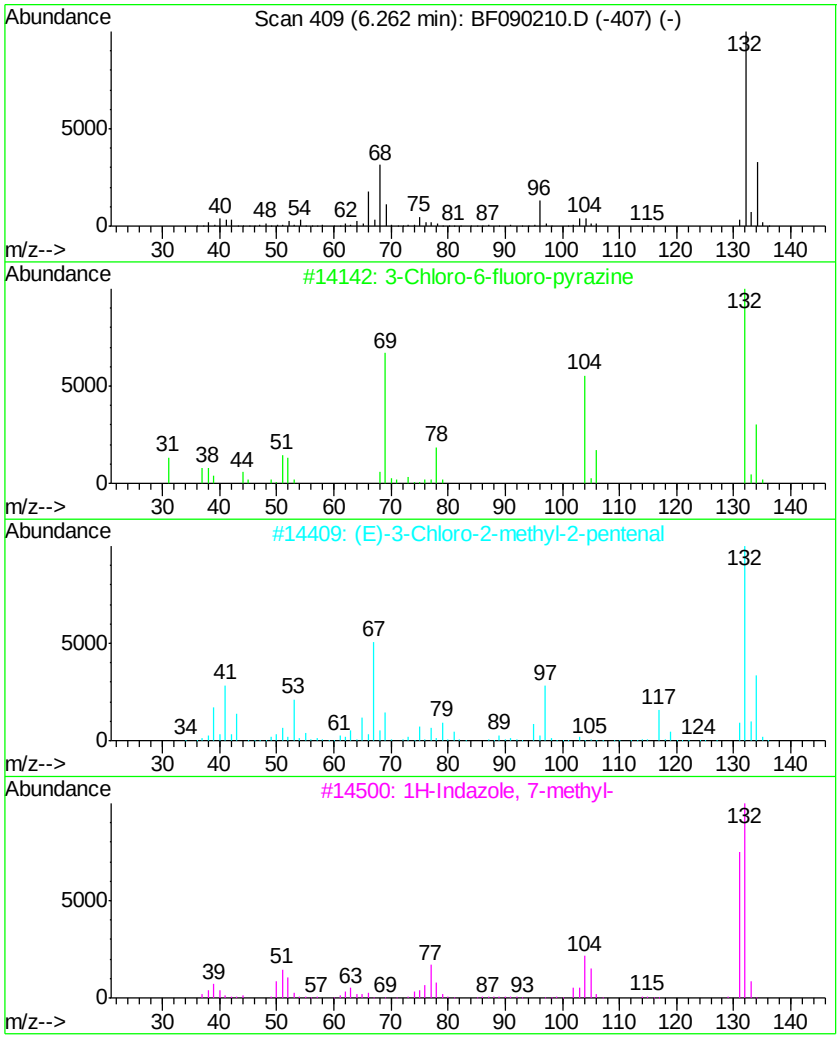
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

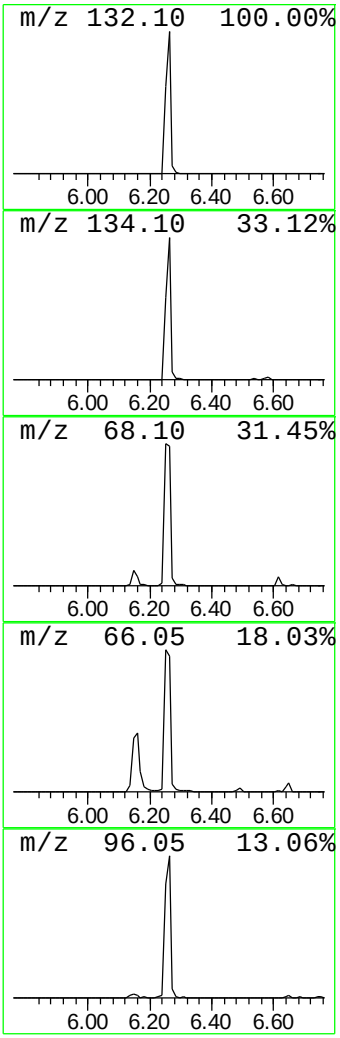
****

Peak Number 4 unknown6.26 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.26	32.33 ng	1119580	1,4-Dichlorobenzene-d4	6.49

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	38
3	1H-Indazole, 7-methyl-	132	C8H8N2	1000316-00-7	25
4	Amphetaminil	250	C17H18N2	017590-01-1	25
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

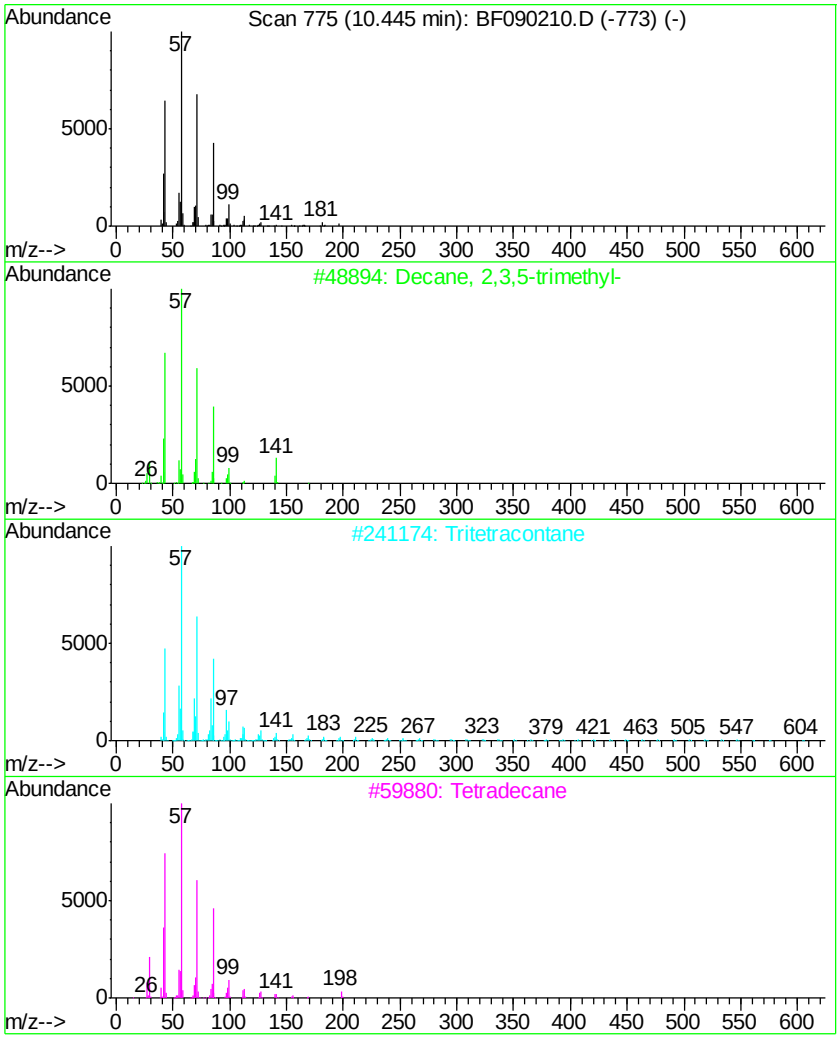
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

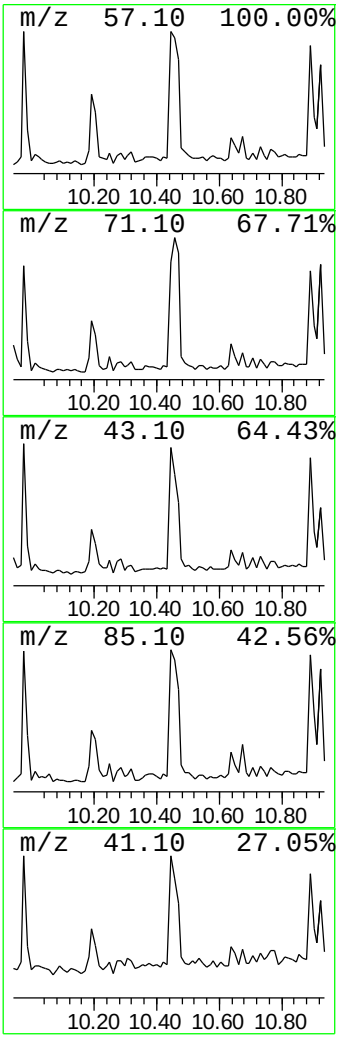
****

Peak Number 6 Decane, 2,3,5-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.44	10.51 ng	334340	Phenanthrene-d10	10.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	90
2	Tritetracontane	605	C43H88	007098-21-7	90
3	Tetradecane	198	C14H30	000629-59-4	86
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	86
5	Pentadecane	212	C15H32	000629-62-9	83





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092316\
Data File : BF090210.D
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Operator : UM/SJ
Sample : H4895-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RICHMOND-REC-SELECTFILL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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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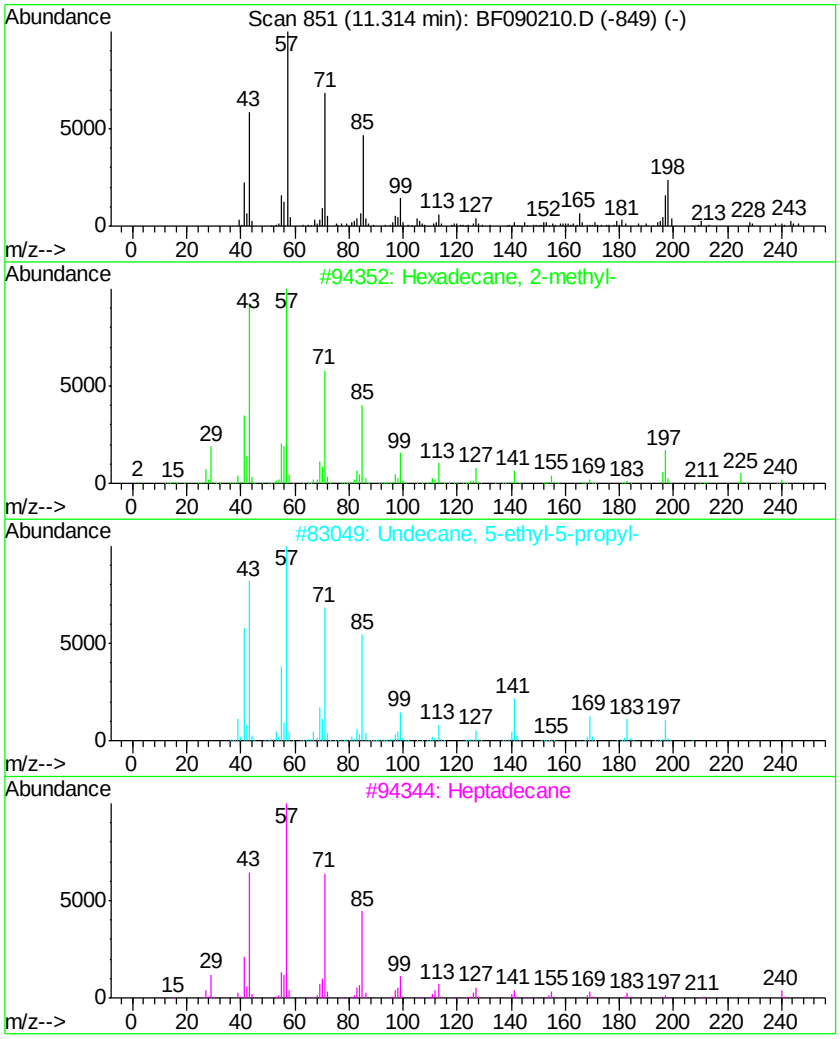
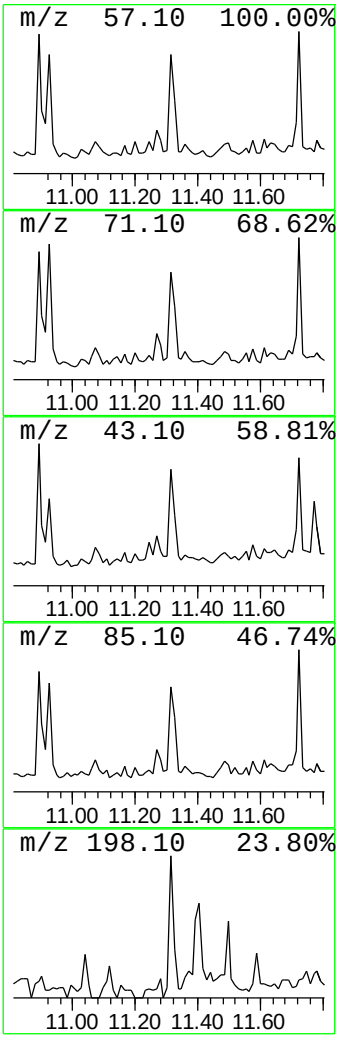
Peak Number 7 Hexadecane, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.31	8.29 ng	263709	Phenanthrene-d10	10.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2-methyl-	240	C17H36	001560-92-5	80
2	Undecane, 5-ethyl-5-propyl-	226	C16H34	002755-07-9	72
3	Heptadecane	240	C17H36	000629-78-7	58
4	Heneicosane	296	C21H44	000629-94-7	58
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	58





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Instrument : BNA_F
ClientSampleId : RICHMOND-REC-SELECTFILL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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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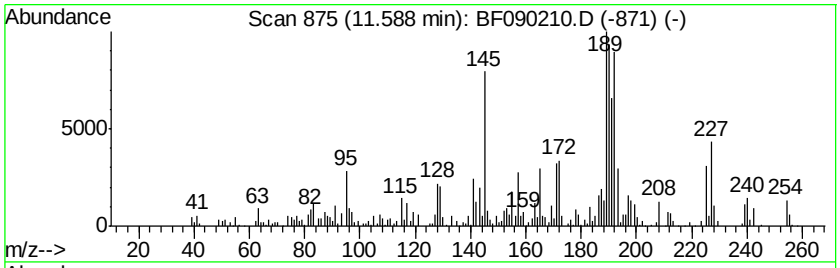
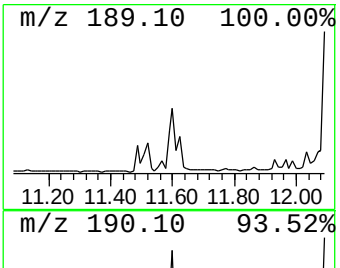
Peak Number 8 unknown11.59 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	15.05 ng	478841	Phenanthrene-d10	10.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Bromo-2-thiophenecarboxaldehyde	190	C5H3BrOS	004701-17-1	43
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	30
3	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	25
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	25





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Data File : BF090210.D
Acq On : 23 Sep 2016 21:01
Operator : UM/SJ
Sample : H4895-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RICHMOND-REC-SELECTFILL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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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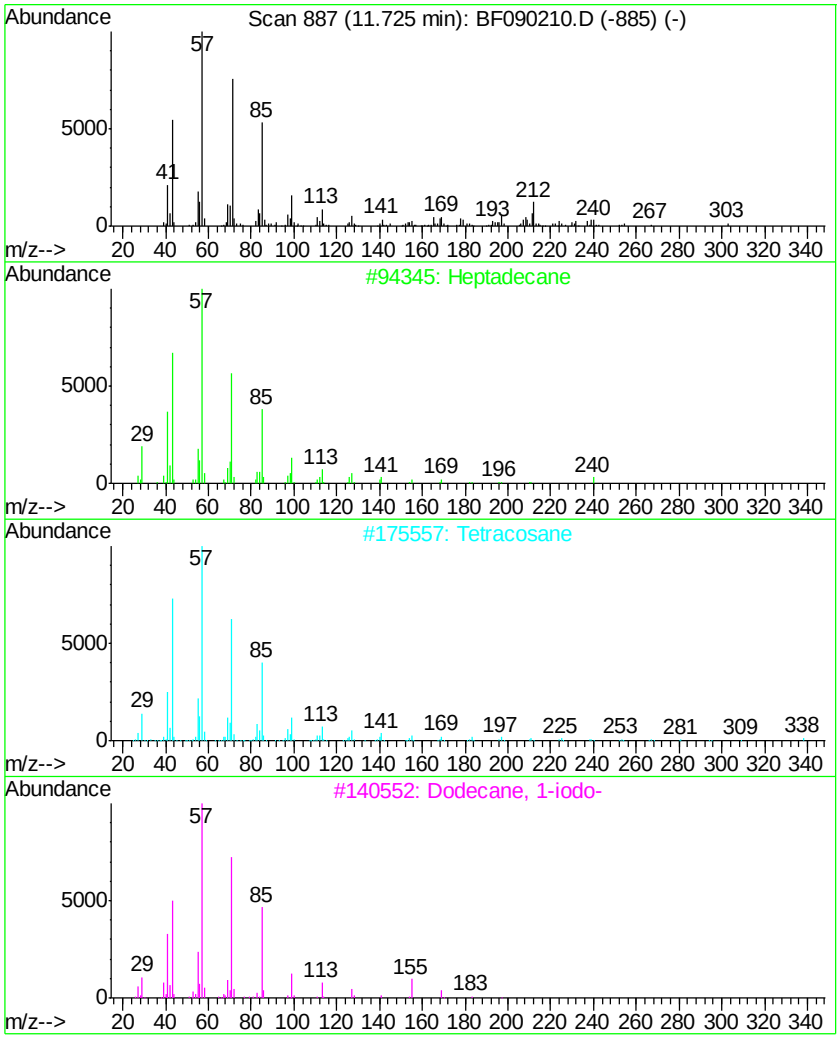
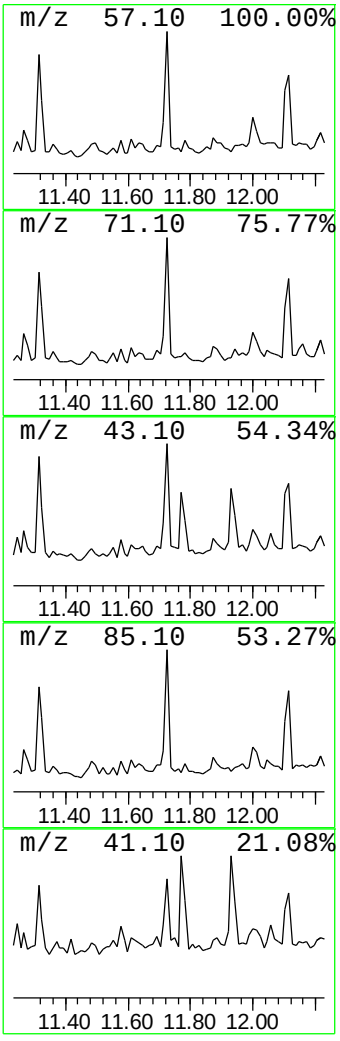
Peak Number 9 Heptadecane Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	10.98 ng	349212	Phenanthrene-d10	10.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	91
2	Tetracosane	338	C24H50	000646-31-1	83
3	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80
4	Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	80
5	Heneicosane	296	C21H44	000629-94-7	80





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Operator : UM/SJ
Sample : H4895-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RICHMOND-REC-SELECTFILL

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

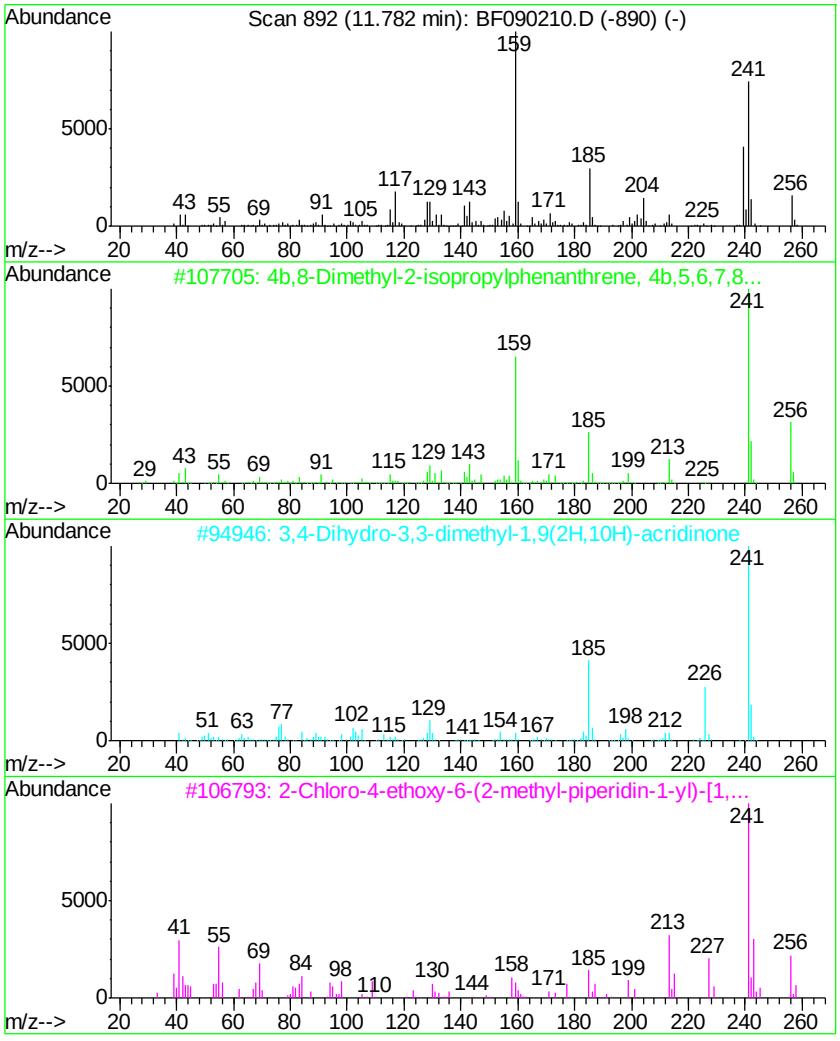
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

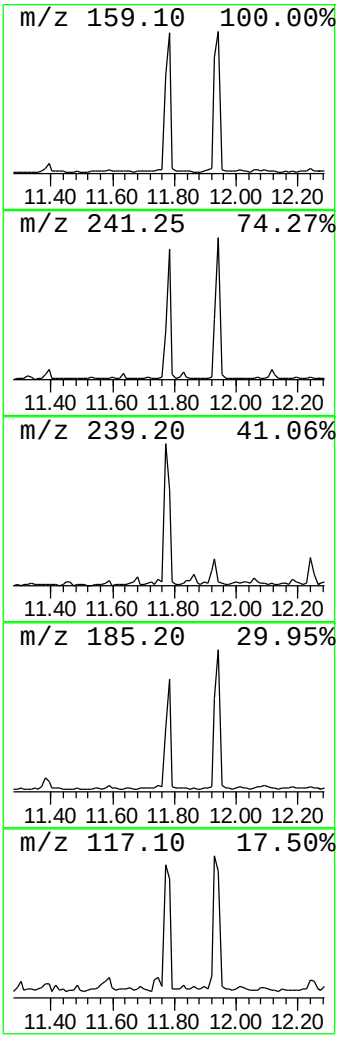
****

Peak Number 10 4b,8-Dimethyl-2-isopropylph... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	22.86 ng	727434	Phenanthrene-d10	10.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	50
2	3,4-Dihydro-3,3-dimethyl-1,9(2H,...	241	C15H15NO2	1000212-95-2	30
3	2-Chloro-4-ethoxy-6-(2-methyl-pi...	256	C11H17ClN4O	1000300-83-2	27
4	Cyclopentanecarboxylic acid, 1-(...	204	C13H16O2	080789-75-9	25
5	Benzene, 1,1'-(1-methylethyliden...	256	C17H20O2	001568-83-8	25





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Acq On : 23 Sep 2016 21:01
Operator : UM/SJ
Sample : H4895-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RICHMOND-REC-SELECTFILL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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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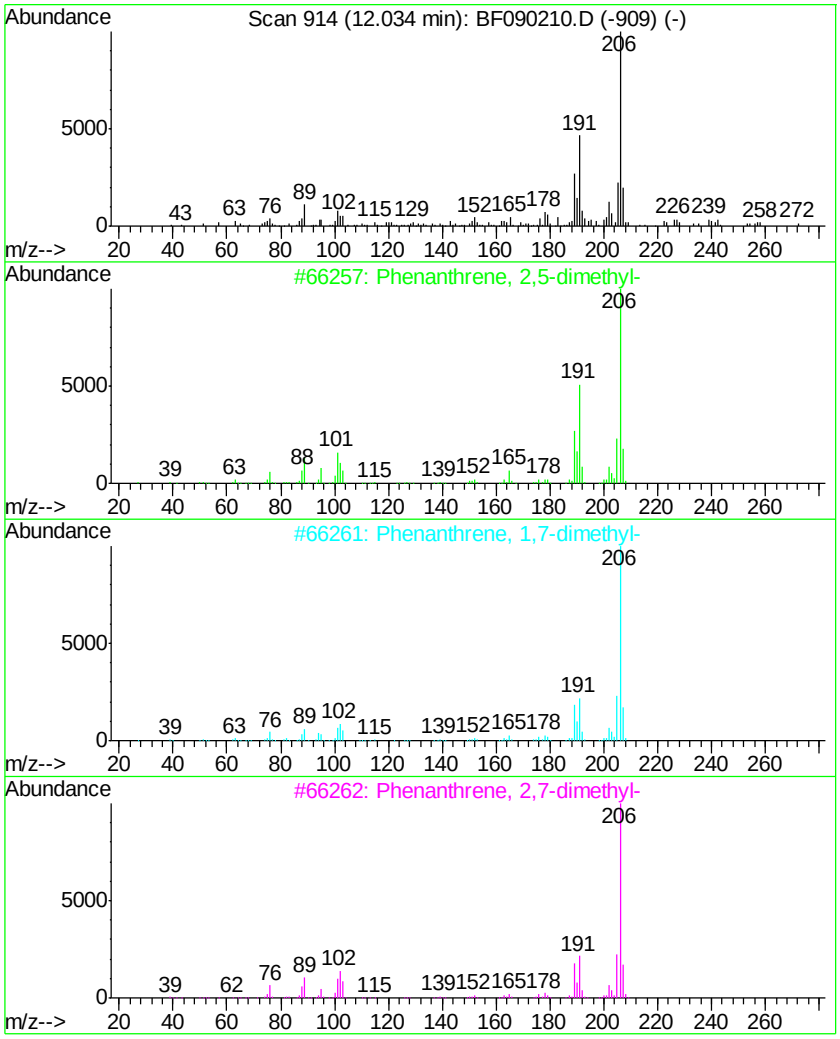
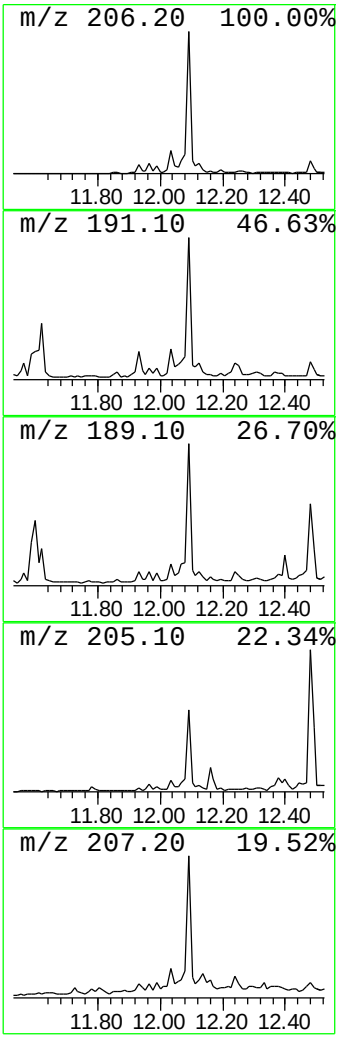
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	10.48 ng	333510	Phenanthrene-d10	10.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	87





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Data File : BF090210.D
Acq On : 23 Sep 2016 21:01
Operator : UM/SJ
Sample : H4895-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RICHMOND-REC-SELECTFILL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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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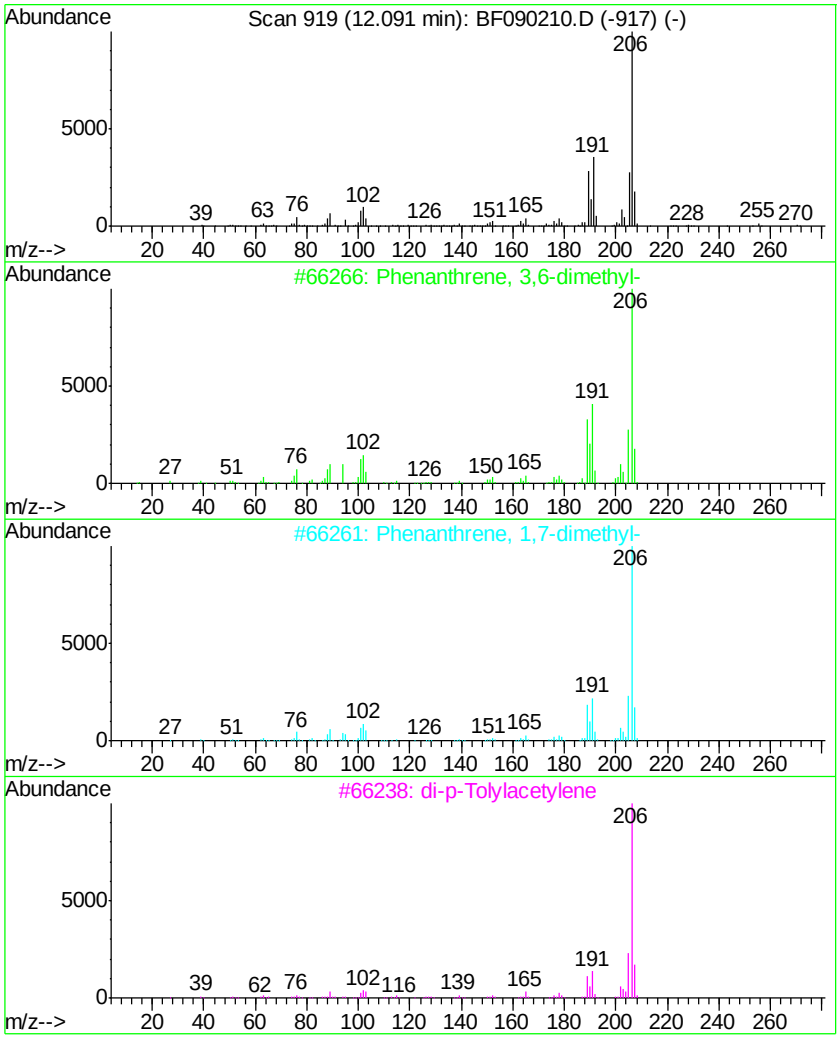
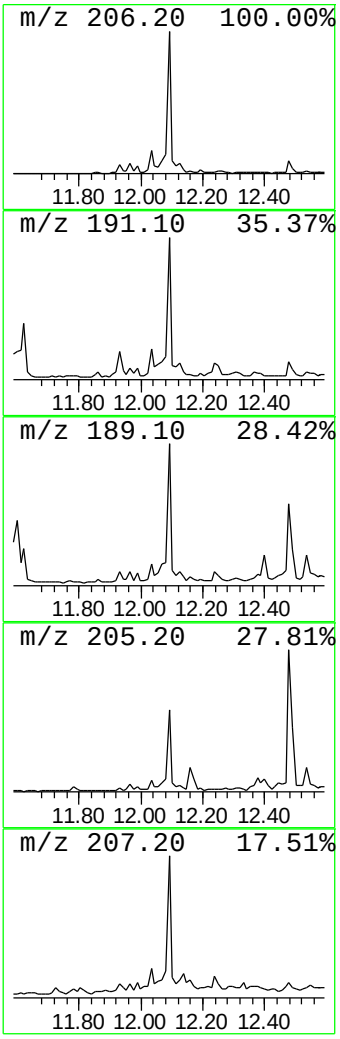
Peak Number 13 Phenanthrene, 3,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	21.67 ng	689370	Phenanthrene-d10	10.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	96
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93





Library Search Compound Report

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Data File : BF090210.D
Acq On : 23 Sep 2016 21:01
Operator : UM/SJ
Sample : H4895-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RICHMOND-REC-SELECTFILL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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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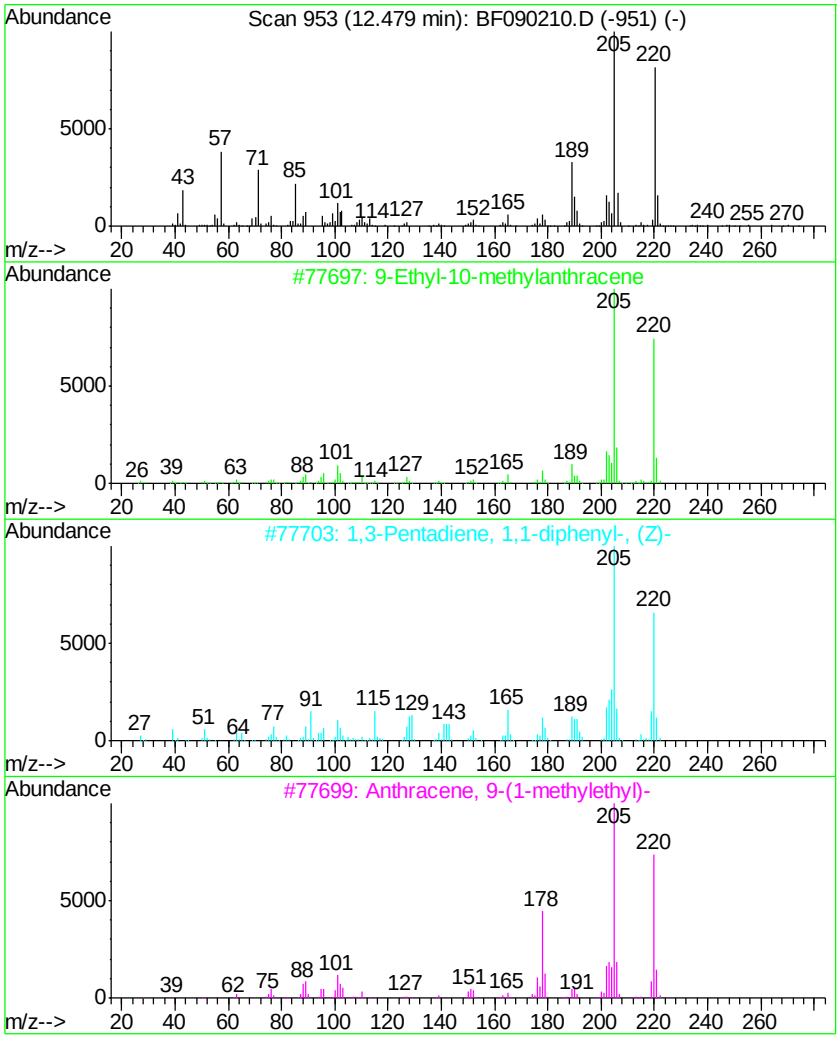
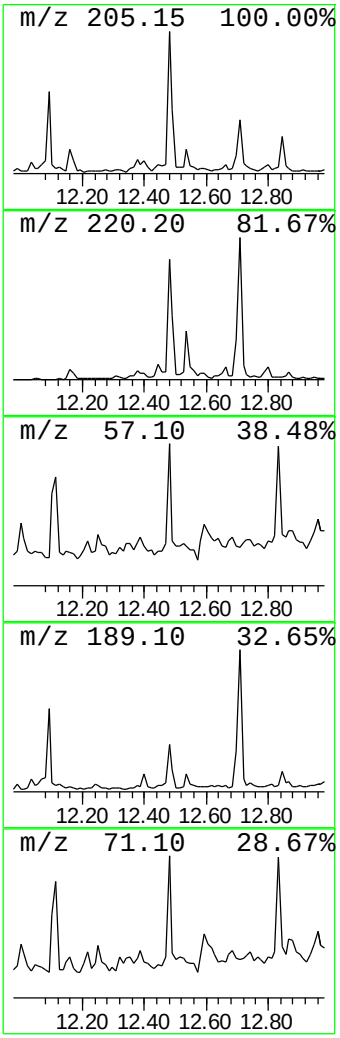
Peak Number 14 9-Ethyl-10-methylanthracene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.48	7.81 ng	513397	Chrysene-d12	13.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Ethyl-10-methylanthracene	220	C17H16	019713-49-6	90
2	1,3-Pentadiene, 1,1-diphenyl-, (Z)-	220	C17H16	015295-31-5	72
3	Anthracene, 9-(1-methylethyl)-	220	C17H16	001498-80-2	64
4	1-Ethyl-2-methylphenanthrene	220	C17H16	061983-53-7	62
5	Chrom-6-ol-4-one, 2,3-dihydroxy-...	220	C13H16O3	084945-26-6	62





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Acq On : 23 Sep 2016 21:01
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Sample : H4895-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RICHMOND-REC-SELECTFILL

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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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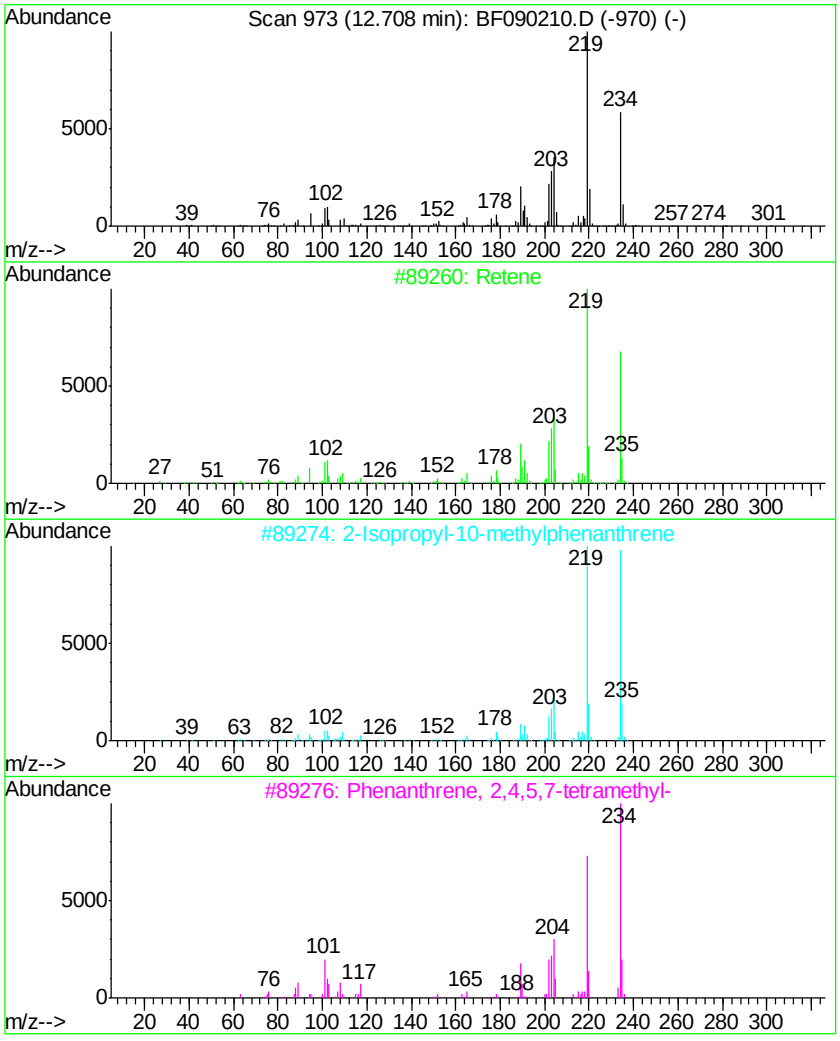
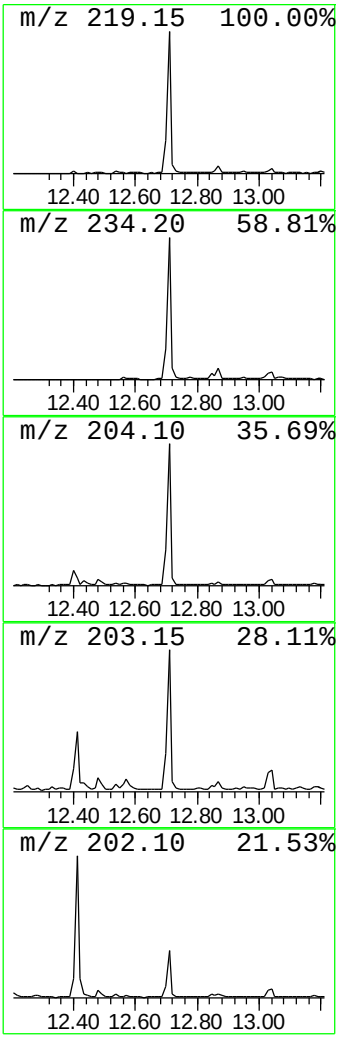
Peak Number 15 Retene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.71	29.28 ng	1925450	Chrysene-d12	13.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Retene	234	C18H18	000483-65-8	99
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	93
3	Phenanthrene, 2,4,5,7-tetramethyl-	234	C18H18	007396-38-5	89
4	2,5-Diphenyl-2,4-hexadiene	234	C18H18	016819-47-9	59
5	2-[[1-(4-Methylphenyl)ethylidene...	234	C16H14N2	1000326-46-0	49





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Acq On : 23 Sep 2016 21:01
Operator : UM/SJ
Sample : H4895-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RICHMOND-REC-SELECTFILL

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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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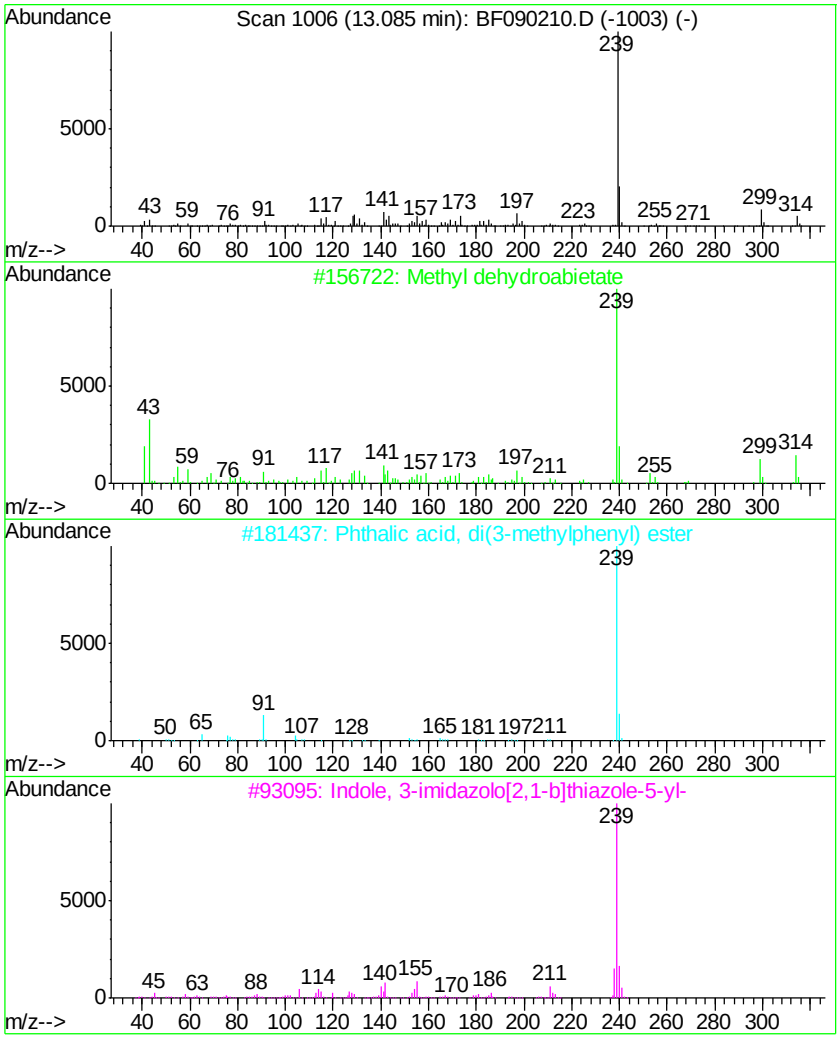
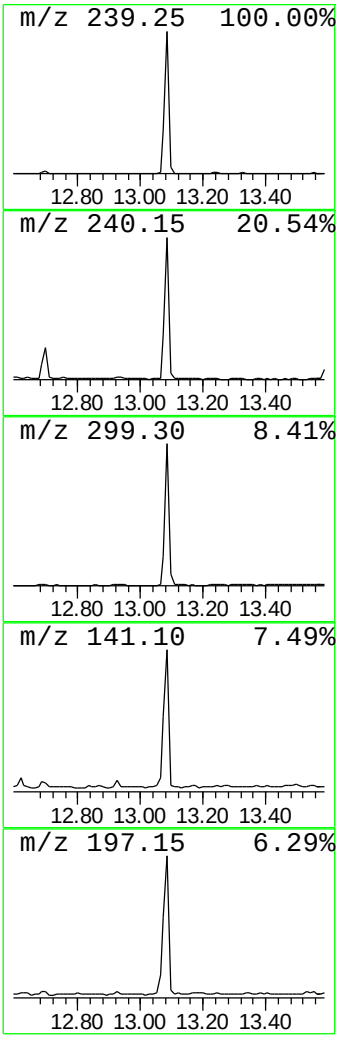
Peak Number 16 Methyl dehydroabietate Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	37.70 ng	2478930	Chrysene-d12	13.60

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl dehydroabietate	314	C21H30O2	001235-74-1	78
2	Phthalic acid, di(3-methylphenyl...	346	C22H18O4	1000315-37-3	59
3	Indole, 3-imidazolo[2,1-b]thiazo...	239	C13H9N3S	292855-05-1	53
4	Carbonic acid, monoamide, N-(2,4...	239	C12H17NO4	1000340-19-5	53
5	Phthalic acid, 4-isopropylphenyl...	374	C24H22O4	1000315-66-1	45





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ClientSampleId : RICHMOND-REC-SELECTFILL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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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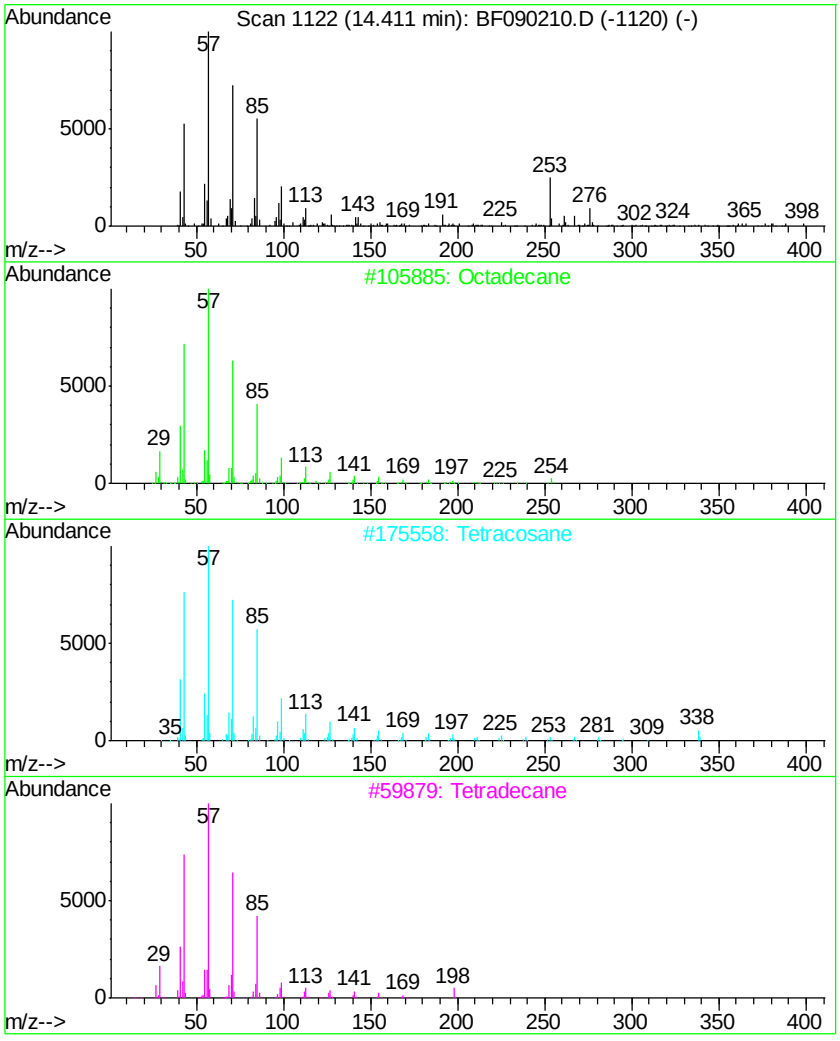
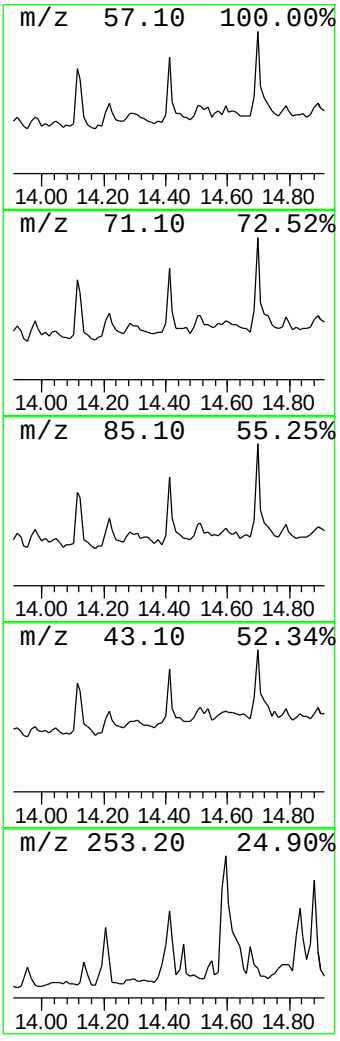
Peak Number 17 Octadecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.41	13.28 ng	272335	Perylene-d12	14.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	83
2	Tetracosane	338	C24H50	000646-31-1	64
3	Tetradecane	198	C14H30	000629-59-4	53
4	Heneicosane	296	C21H44	000629-94-7	52
5	Docosane, 6-methyl-	324	C23H48	055124-81-7	49





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Instrument : BNA_F
ClientSampleId : RICHMOND-REC-SELECTFILL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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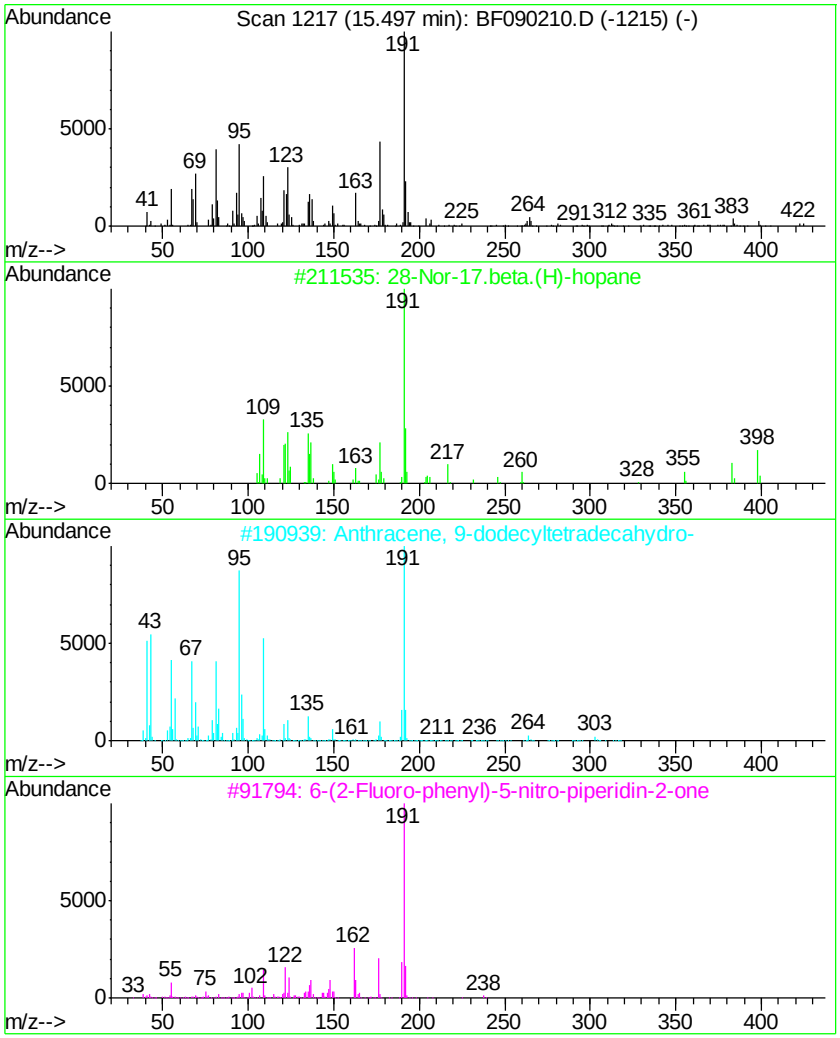
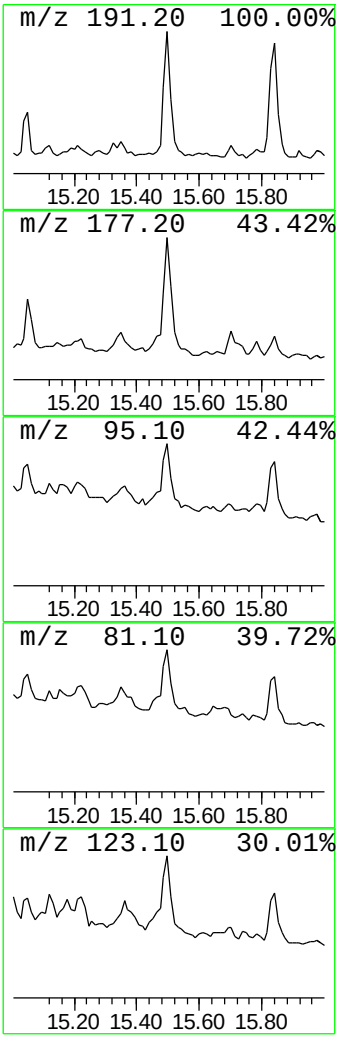
Peak Number 19 28-Nor-17.beta.(H)-hopane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.50	27.90 ng	571961	Perylene-d12	14.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	28-Nor-17.beta.(H)-hopane	398	C29H50	036728-72-0	68
2	Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	42
3	6-(2-Fluoro-phenyl)-5-nitro-pipe...	238	C11H11FN2O3	1000275-16-4	38
4	2H-1,2,3-Triazole-4-carboxaldehy...	191	C9H6FN3O	051306-43-5	37
5	5-(p-Aminophenyl)-2-thiazolamine	191	C9H9N3S	090349-87-4	27





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Sample : H4895-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RICHMOND-REC-SELECTFILL

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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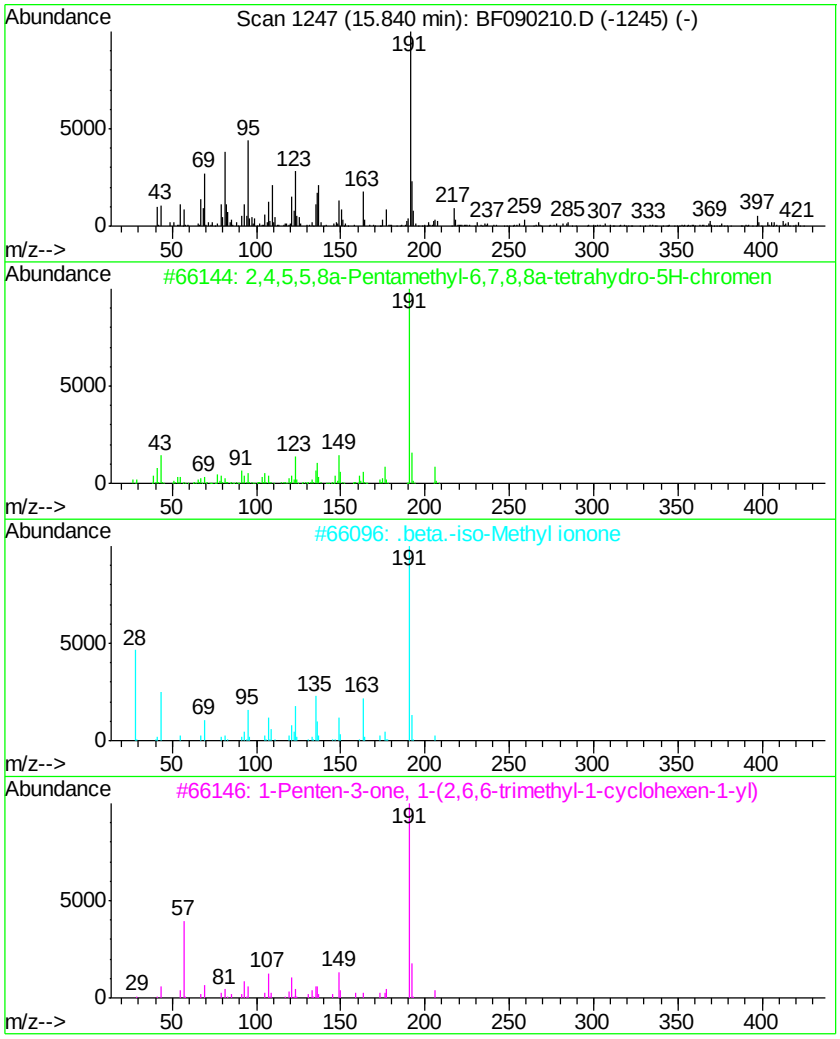
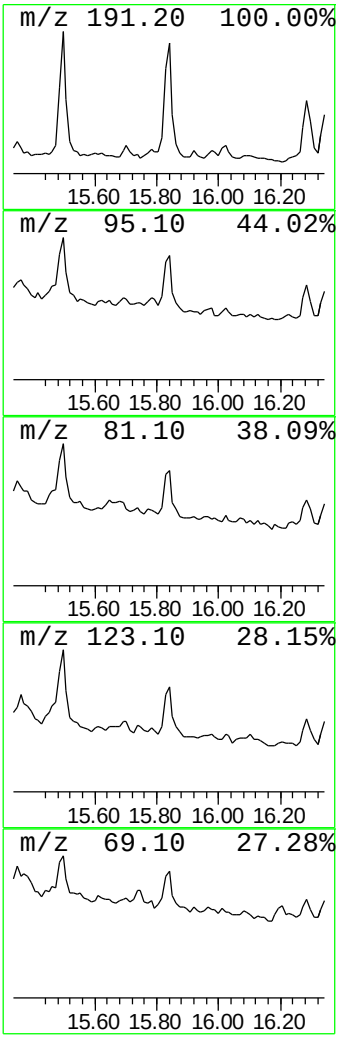
Peak Number 20 unknown15.84 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.84	17.24 ng	353429	Perylene-d12	14.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	47
2	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	46
3	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	43
4	1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	40
5	2-(2-((2-Chloro-6-fluorobenzyl)s...	334	C17H16ClFN2S	1000298-18-2	35





Tentatively Identified Compound (LSC) summary

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Data File : BF090210.D
Acq On : 23 Sep 2016 21:01
Operator : UM/SJ
Sample : H4895-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.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
3-Penten-2-one, 4...	3.79	48.8	ng	1690840	1	6.49	692634	20.0
2-Pentanone, 4-hy...	4.59	66.9	ng	2315450	1	6.49	692634	20.0
unknown6.26	6.26	32.3	ng	1119580	1	6.49	692634	20.0
Decane, 2,3,5-tri...	10.44	10.5	ng	334340	4	10.98	636357	20.0
Hexadecane, 2-met...	11.31	8.3	ng	263709	4	10.98	636357	20.0
unknown11.59	11.59	15.1	ng	478841	4	10.98	636357	20.0
Heptadecane	11.73	11.0	ng	349212	4	10.98	636357	20.0
4b,8-Dimethyl-2-i...	11.78	22.9	ng	727434	4	10.98	636357	20.0
Phenanthrene, 2,5...	12.03	10.5	ng	333510	4	10.98	636357	20.0
Phenanthrene, 3,6...	12.09	21.7	ng	689370	4	10.98	636357	20.0
9-Ethyl-10-methyl...	12.48	7.8	ng	513397	5	13.60	1315260	20.0
Retene	12.71	29.3	ng	1925450	5	13.60	1315260	20.0
Methyl dehydroabi...	13.09	37.7	ng	2478930	5	13.60	1315260	20.0
Octadecane	14.41	13.3	ng	272335	6	14.94	410022	20.0
28-Nor-17.beta.(H...	15.50	27.9	ng	571961	6	14.94	410022	20.0
unknown15.84	15.84	17.2	ng	353429	6	14.94	410022	20.0