LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062816\
Data File : BF088496.D
Acq On : 28 Jun 2016 23:31
Operator : UM/SJ
Sample : H3766-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1

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-BF060716.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	1.678	6	8	32	rVB	129992	283736	12.50%	0.513%
2	4.650	265	268	280	rBV	51581	126743	5.58%	0.229%
3	5.107	306	308	316	rBV	1454974	1787816	78.75%	3.231%
4	5.484	337	341	343	rVB2	25282	36241	1.60%	0.066%
5	5.747	361	364	367	rBV2	52482	94020	4.14%	0.170%
6	5.804	367	369	372	rBV2	26755	51349	2.26%	0.093%
7	5.942	377	381	382	rBV3	22356	43864	1.93%	0.079%
8	6.022	386	388	389	rBV	60391	90723	4.00%	0.164%
9	6.102	393	395	397	rBV2	38094	40189	1.77%	0.073%
10	6.193	400	403	406	rBV	1569250	1700606	74.91%	3.074%
11	6.296	410	412	414	rBV	1691866	1915544	84.37%	3.462%
12	6.364	416	418	420	rVB	40334	50798	2.24%	0.092%
13	6.467	424	427	430	rBV5	39810	104585	4.61%	0.189%
14	6.525	430	432	435	rBV2	249349	497193	21.90%	0.899%
15	6.673	442	445	449	rVB	1721605	1664139	73.30%	3.008%
16	6.776	449	454	456	rBV3	94503	137743	6.07%	0.249%
17	6.810	456	457	458	rVB	66319	45462	2.00%	0.082%
18	6.845	458	460	461	rBV	66581	65184	2.87%	0.118%
19	6.867	461	462	464	rBV	57257	76588	3.37%	0.138%
20	6.902	464	465	472	rVB2	108115	216555	9.54%	0.391%
21	7.062	475	479	480	rBV2	212736	314051	13.83%	0.568%
22	7.096	480	482	486	rVB	985077	1089678	48.00%	1.970%
23	7.176	486	489	491	rVB3	99606	182522	8.04%	0.330%
24	7.210	491	492	494	rBV	49521	90130	3.97%	0.163%
25	7.245	494	495	497	rVB	63000	53218	2.34%	0.096%
26	7.302	497	500	501	rBV2	149185	203663	8.97%	0.368%
27	7.325	501	502	505	rVB	259828	209564	9.23%	0.379%
28	7.382	505	507	508	rBV2	58399	73571	3.24%	0.133%
29	7.439	508	512	513	rBV2	245638	381848	16.82%	0.690%
30	7.507	513	518	520	rBV4	96294	209776	9.24%	0.379%
31	7.542	520	521	523	rBV2	263766	265452	11.69%	0.480%
32	7.576	523	524	526	rVB2	95944	122634	5.40%	0.222%
33	7.645	526	530	531	rBV3	114696	246053	10.84%	0.445%
34	7.690	531	534	538	rBV2	98388	199803	8.80%	0.361%

LSC Area Percent Report

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Operator : UM/SJ
Sample : H3766-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1

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 >
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.805	538	544	545	rBV2	905073	1291611	56.89%	2.335%
36	7.827	545	546	547	rVV	176733	205820	9.07%	0.372%
37	7.885	550	551	554	rVB2	348648	388713	17.12%	0.703%
38	7.942	554	556	557	rVB2	85735	105911	4.66%	0.191%
39	7.976	557	559	560	rBV2	99559	162864	7.17%	0.294%
40	8.010	560	562	564	rVB3	184629	266649	11.74%	0.482%
41	8.090	564	569	575	rBV7	279638	1013702	44.65%	1.832%
42	8.193	575	578	580	rVB2	243610	376692	16.59%	0.681%
43	8.250	580	583	584	rBV	697867	751099	33.08%	1.358%
44	8.308	587	588	590	rVV	244121	285263	12.56%	0.516%
45	8.353	590	592	595	rVB3	165650	290640	12.80%	0.525%
46	8.468	600	602	604	rVV2	212960	291185	12.83%	0.526%
47	8.525	604	607	608	rVB3	492413	647040	28.50%	1.170%
48	8.548	608	609	612	rBV3	39630	105298	4.64%	0.190%
49	8.616	613	615	620	rVB3	397348	909608	40.06%	1.644%
50	8.719	620	624	626	rBV4	249003	473501	20.86%	0.856%
51	8.845	632	635	637	rBV3	736957	1159861	51.09%	2.096%
52	8.890	637	639	643	rVV	2152214	2270335	100.00%	4.104%
53	8.970	643	646	647	rVV3	285333	554884	24.44%	1.003%
54	9.028	649	651	653	rVV	364105	644582	28.39%	1.165%
55	9.085	655	656	659	rVB2	309434	477687	21.04%	0.863%
56	9.153	659	662	664	rBV	702679	1205529	53.10%	2.179%
57	9.222	666	668	670	rVV	977830	1422165	62.64%	2.571%
58	9.256	670	671	673	rVV2	715120	757727	33.38%	1.370%
59	9.302	673	675	677	rVV	1089540	1404052	61.84%	2.538%
60	9.336	677	678	681	rVV2	378956	533547	23.50%	0.964%
61	9.416	683	685	688	rBV4	326496	710930	31.31%	1.285%
62	9.462	688	689	691	rVB	291824	214566	9.45%	0.388%
63	9.553	694	697	699	rBV4	755039	1262227	55.60%	2.281%
64	9.588	699	700	705	rVB4	212619	417272	18.38%	0.754%
65	9.668	705	707	709	rVB	656616	873472	38.47%	1.579%
66	9.713	709	711	713	rBV3	200789	303998	13.39%	0.549%
67	9.771	713	716	718	rBV	690611	802309	35.34%	1.450%
68	9.805	718	719	720	rBV	517753	403031	17.75%	0.728%
69	9.885	724	726	727	rBV	669094	868435	38.25%	1.570%
70	9.965	731	733	734	rBV2	369561	557743	24.57%	1.008%
71	10.056	739	741	743	rBV3	314091	443957	19.55%	0.802%

LSC Area Percent Report

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Acq On : 28 Jun 2016 23:31
Operator : UM/SJ
Sample : H3766-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1

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-BF060716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	10.102	743	745	746	rBV2	334483	381963	16.82%	0.690%
73	10.136	746	748	749	rVV2	245480	387932	17.09%	0.701%
74	10.171	749	751	754	rVB	454900	581613	25.62%	1.051%
75	10.228	754	756	758	rBV3	281083	421854	18.58%	0.762%
76	10.353	764	767	769	rBV3	1036112	1449535	63.85%	2.620%
77	10.388	769	770	772	rVB2	288985	293897	12.95%	0.531%
78	10.433	772	774	776	rBV3	159278	267340	11.78%	0.483%
79	10.491	776	779	781	rVB2	1205116	2002162	88.19%	3.619%
80	10.548	781	784	785	rBV	451149	422480	18.61%	0.764%
81	10.651	791	793	794	rBV2	193237	204357	9.00%	0.369%
82	10.685	794	796	797	rBV2	470339	537500	23.67%	0.972%
83	10.765	802	803	804	rBV	260397	306698	13.51%	0.554%
84	10.799	804	806	809	rVB4	265869	414842	18.27%	0.750%
85	10.959	817	820	822	rVB	1204306	1415731	62.36%	2.559%
86	11.039	825	827	828	rBV	479226	387349	17.06%	0.700%
87	11.154	835	837	840	rBV3	263230	486951	21.45%	0.880%
88	11.302	849	850	853	rVB2	527497	540021	23.79%	0.976%
89	11.542	869	871	872	rBV	470795	475578	20.95%	0.860%
90	11.565	872	873	876	rVB	321162	468522	20.64%	0.847%
91	11.645	878	880	886	rVB2	419789	1101762	48.53%	1.991%
92	12.022	911	913	917	rVB2	332445	643862	28.36%	1.164%
93	12.091	917	919	921	rBV	752787	999429	44.02%	1.806%
94	12.182	925	927	928	rVV	175296	223572	9.85%	0.404%
95	12.251	931	933	936	rBV3	209722	352508	15.53%	0.637%
96	12.502	953	955	957	rVB	273397	289967	12.77%	0.524%
97	12.537	957	958	960	rBV	336491	364415	16.05%	0.659%
98	12.628	964	966	970	rVB	1215892	1545178	68.06%	2.793%
99	13.680	1056	1058	1061	rVB3	259682	452172	19.92%	0.817%
100	15.028	1174	1176	1181	rVB	271389	381837	16.82%	0.690%

Sum of corrected areas: 55325973

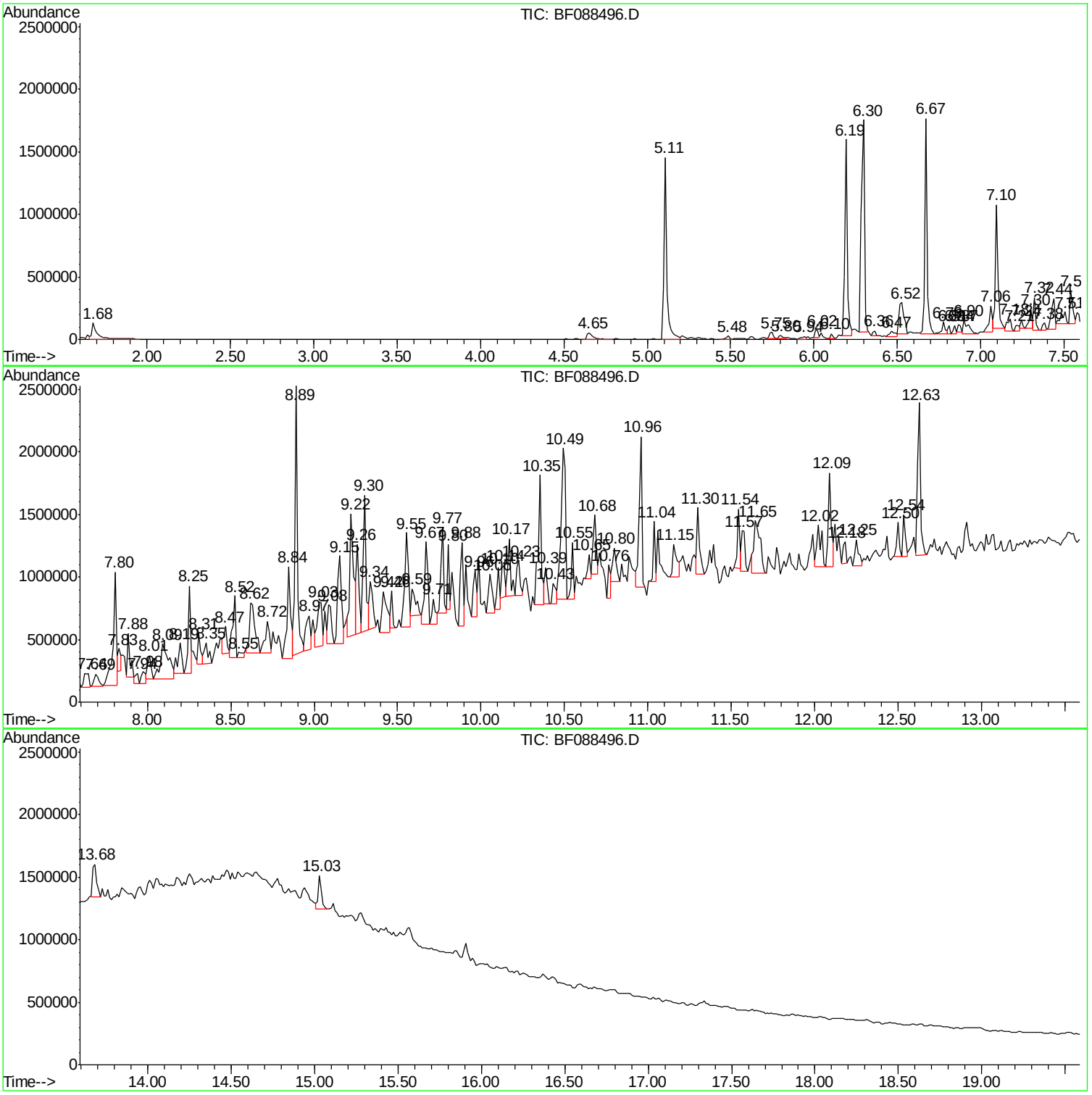
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062816\
Data File : BF088496.D
Acq On : 28 Jun 2016 23:31
Operator : UM/SJ
Sample : H3766-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF062816\
Data File : BF088496.D
Acq On : 28 Jun 2016 23:31
Operator : UM/SJ
Sample : H3766-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

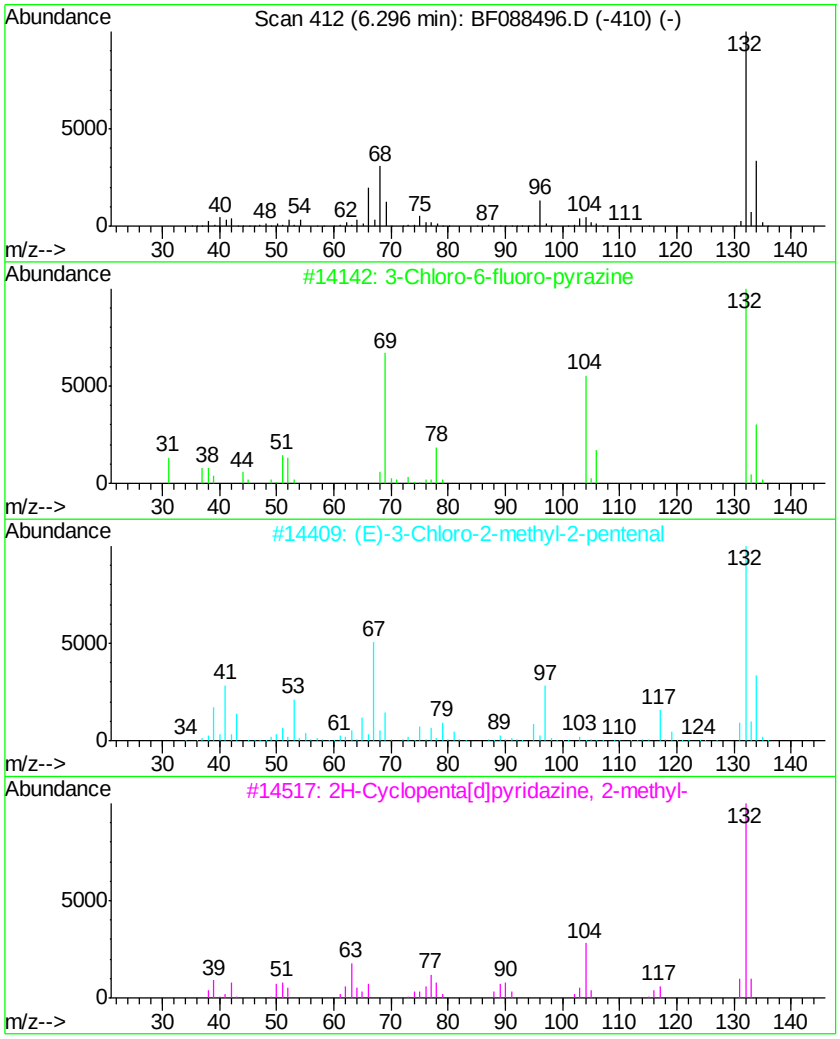
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

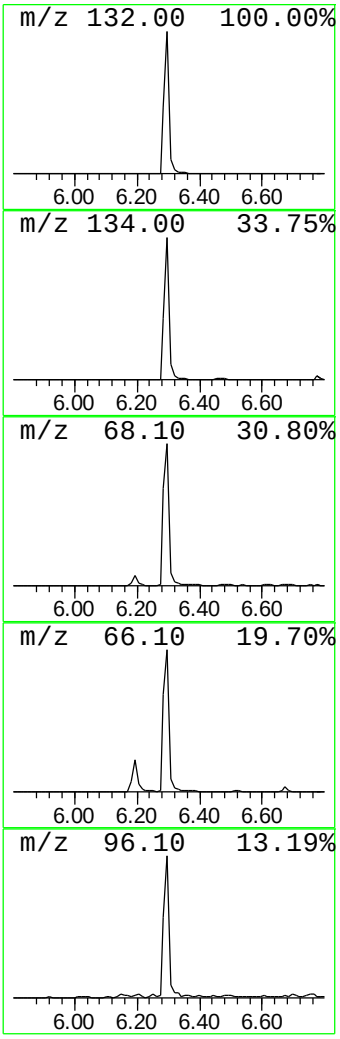
****

Peak Number 1 unknown6.30 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.30	77.05 ng	1915540	1,4-Dichlorobenzene-d4	6.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
4	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5	Xenon	132	Xe	007440-63-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF062816\
Data File : BF088496.D
Acq On : 28 Jun 2016 23:31
Operator : UM/SJ
Sample : H3766-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

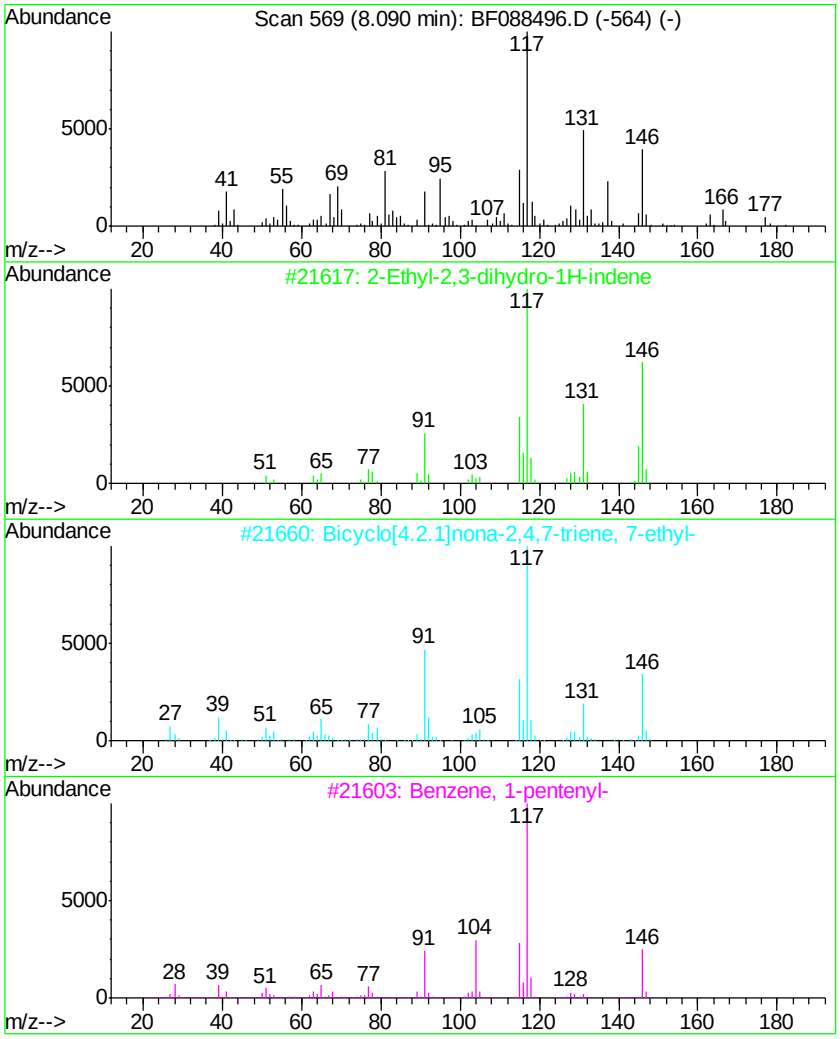
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

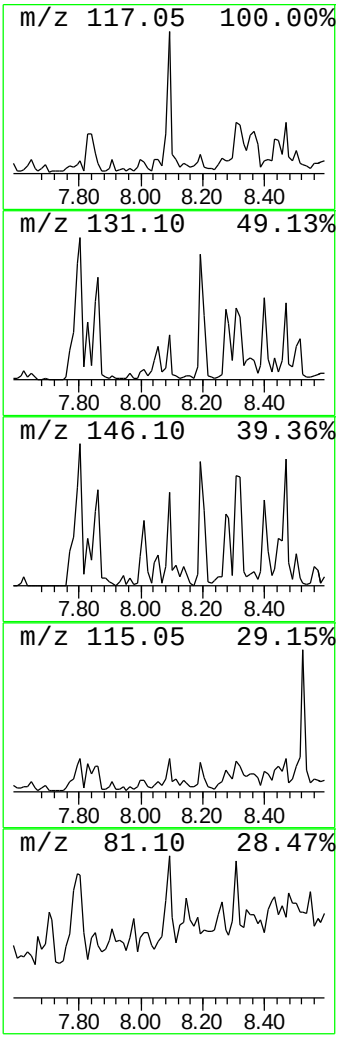
****

Peak Number 3 2-Ethyl-2,3-dihydro-1H-indene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.09	15.70 ng	1013700	Naphthalene-d8	7.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Ethyl-2,3-dihydro-1H-indene	146	C11H14	056147-63-8	81
2	Bicyclo[4.2.1]nona-2,4,7-triene,...	146	C11H14	1000164-42-6	58
3	Benzene, 1-pentenyl-	146	C11H14	000826-18-6	52
4	Benzene, (1-ethyl-2-propenyl)-	146	C11H14	019947-22-9	50
5	1H-Indene, 1-ethyl-2,3-dihydro-	146	C11H14	004830-99-3	47





Data Path : Z:\HPCHEM1\BNA F\DATA\BF062816\
Data File : BF088496.D
Acq On : 28 Jun 2016 23:31
Operator : UM/SJ
Sample : H3766-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.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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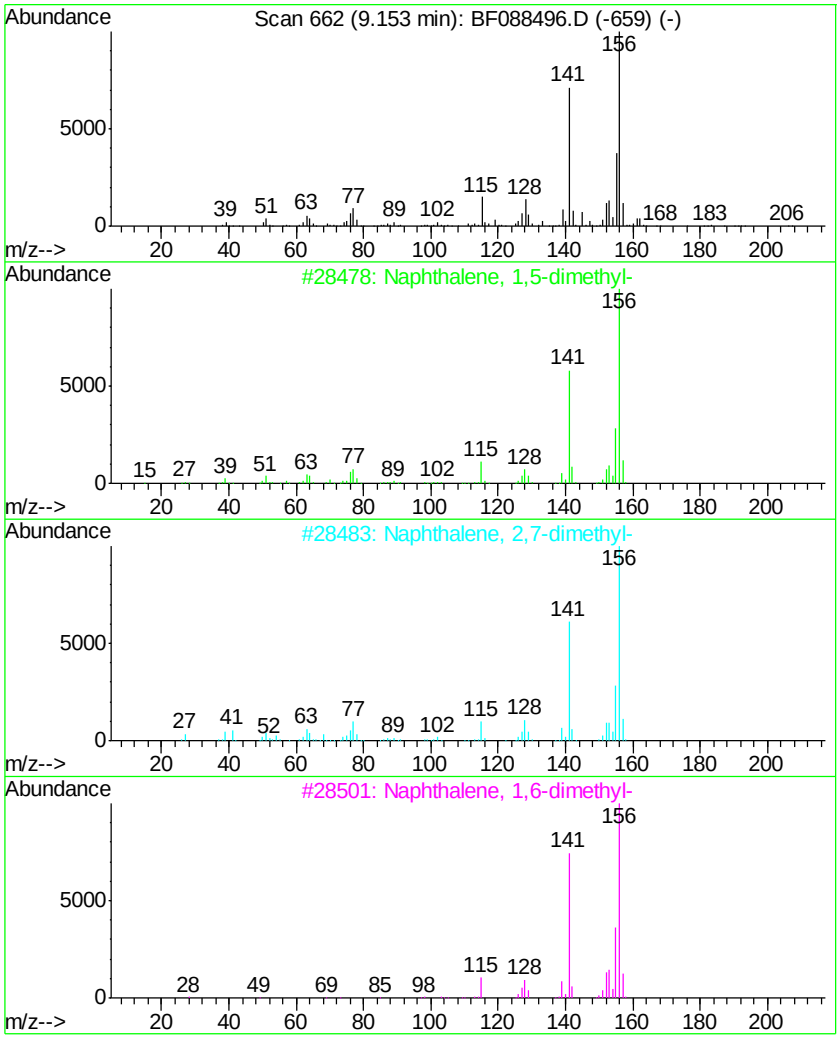
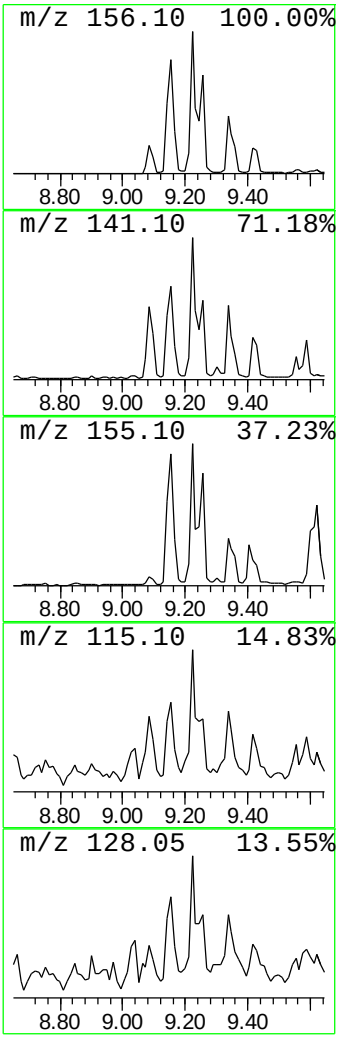
Peak Number 4 Naphthalene, 1,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.15	19.10 ng	1205530	Acenaphthene-d10	9.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Data Path : Z:\HPCHEM1\BNA F\DATA\BF062816\
Data File : BF088496.D
Acq On : 28 Jun 2016 23:31
Operator : UM/SJ
Sample : H3766-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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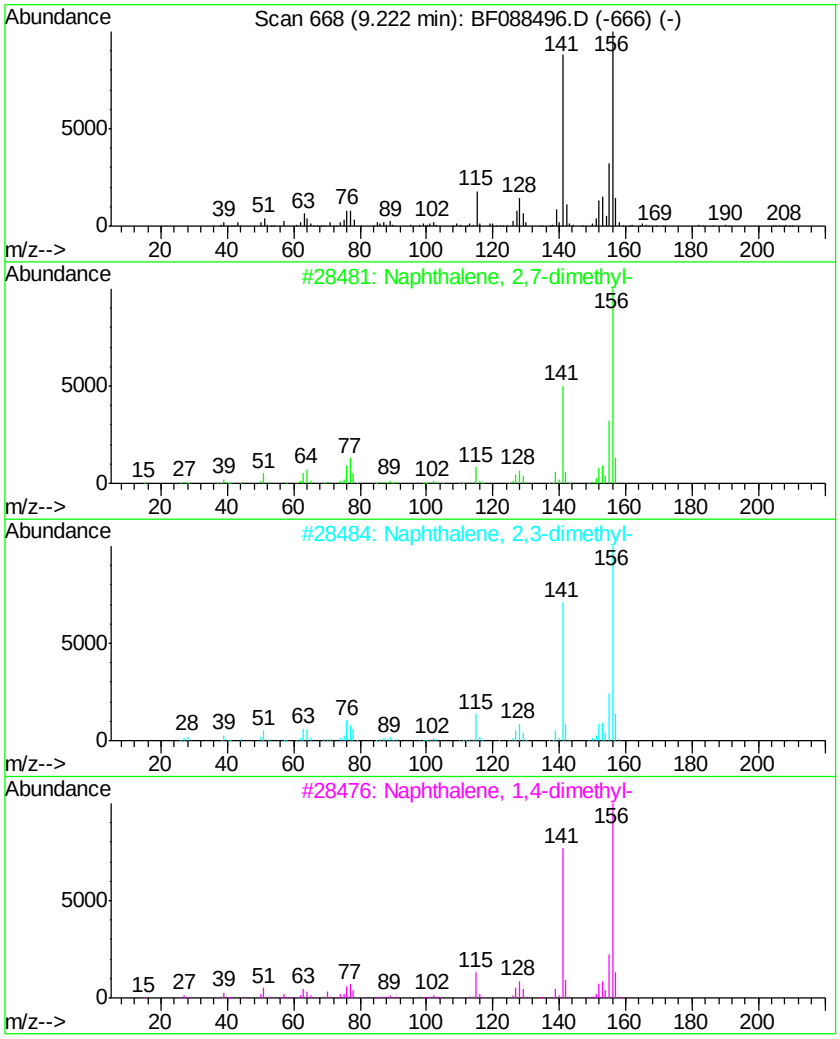
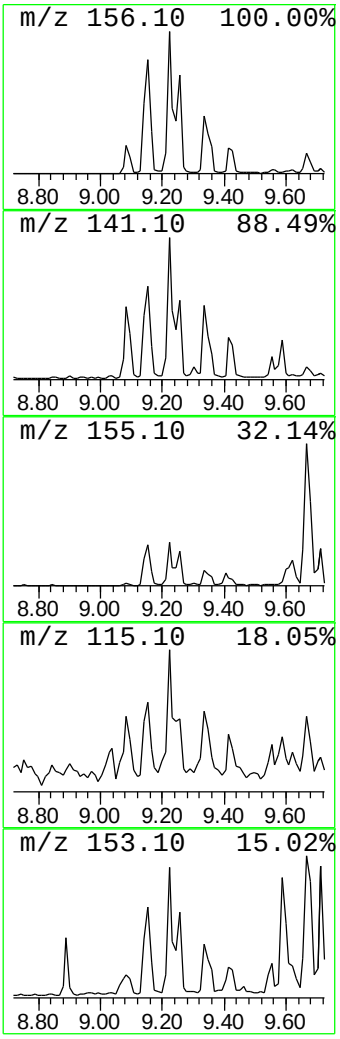
Peak Number 5 Naphthalene, 2,7-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.22	22.53 ng	1422170	Acenaphthene-d10	9.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





Data Path : Z:\HPCHEM1\BNA F\DATA\BF062816\
Data File : BF088496.D
Acq On : 28 Jun 2016 23:31
Operator : UM/SJ
Sample : H3766-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

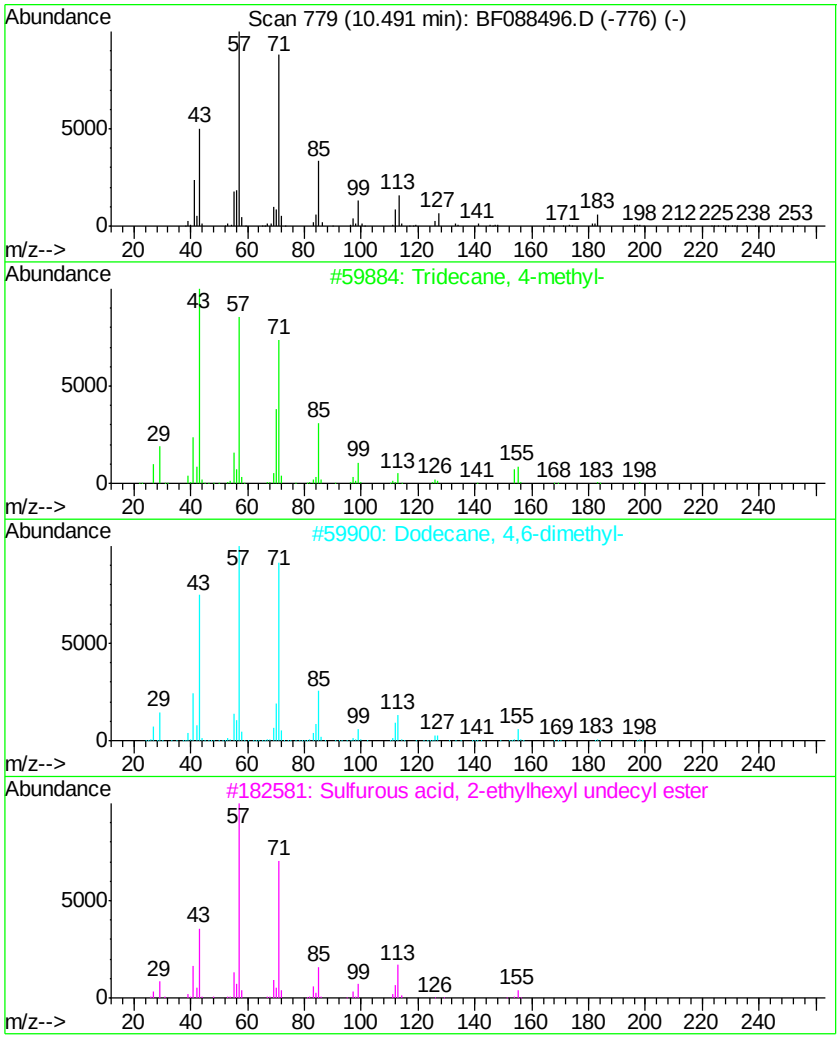
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

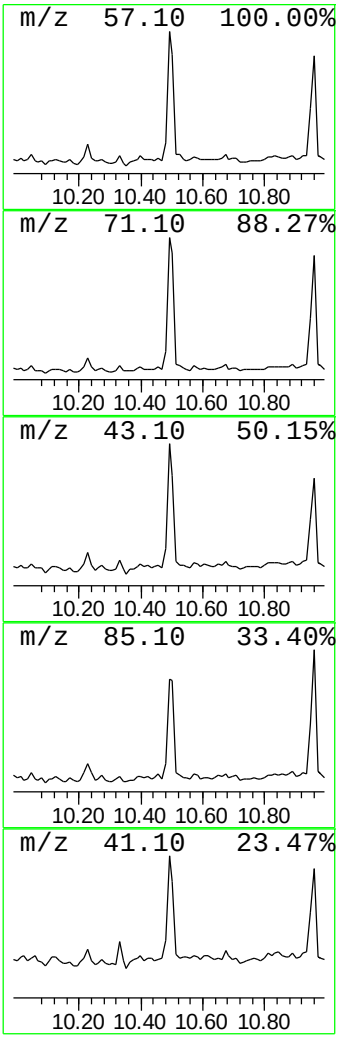
****

Peak Number 6 Tridecane, 4-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.49	103.38 ng	2002160	Phenanthrene-d10	11.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 4-methyl-	198	C14H30	026730-12-1	87
2	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	86
3	Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	80
4	Tridecane, 3-methyl-	198	C14H30	006418-41-3	74
5	Sulfurous acid, dodecyl 2-ethylh...	362	C20H42O3S	1000309-19-5	72





Data Path : Z:\HPCHEM1\BNA F\DATA\BF062816\
Data File : BF088496.D
Acq On : 28 Jun 2016 23:31
Operator : UM/SJ
Sample : H3766-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.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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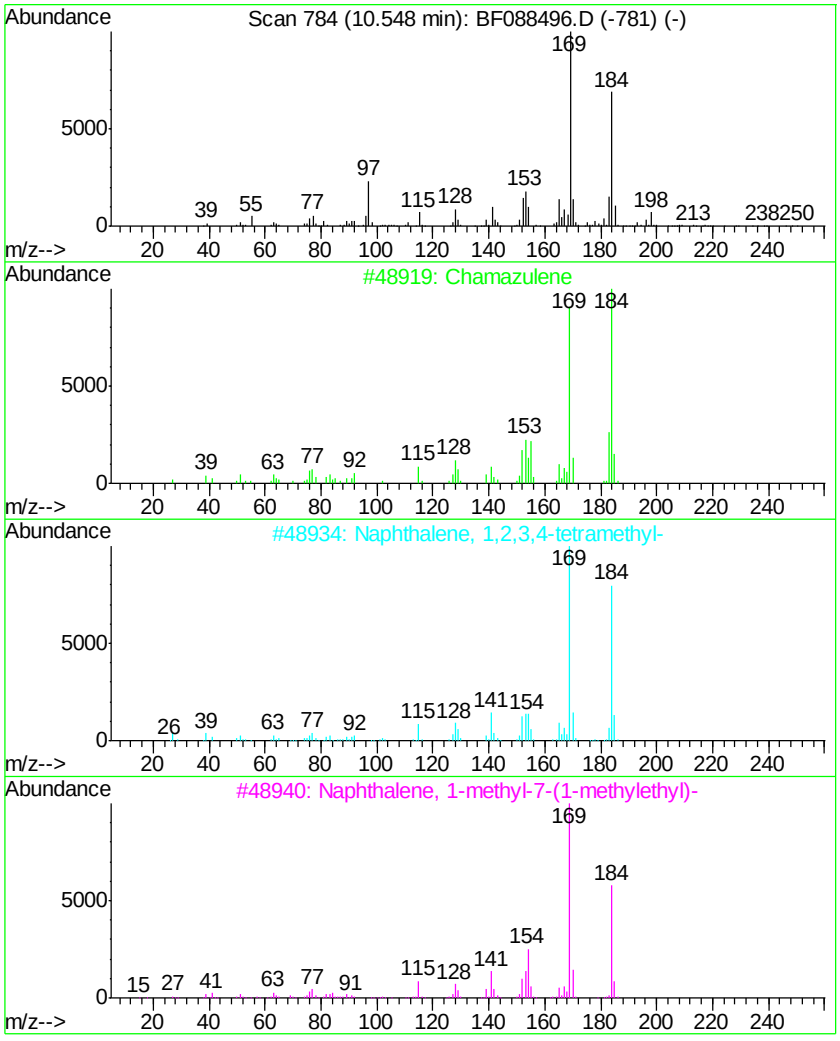
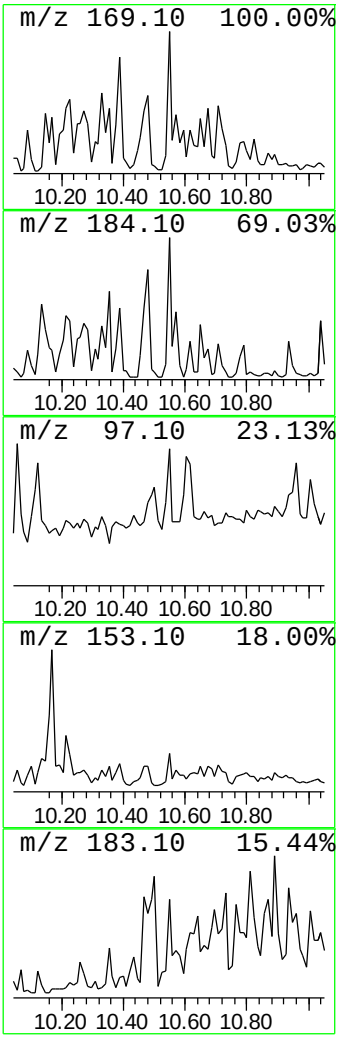
Peak Number 7 Chamazulene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.55	21.81 ng	422480	Phenanthrene-d10	11.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chamazulene	184	C14H16	000529-05-5	96
2	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	91
3	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	76
4	Cyclopentene, 1,2-dimethyl-4-met...	184	C14H16	1000152-22-4	68
5	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	60





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Operator : UM/SJ
Sample : H3766-05
Misc :
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Instrument : BNA_F
ClientSampleId : 1

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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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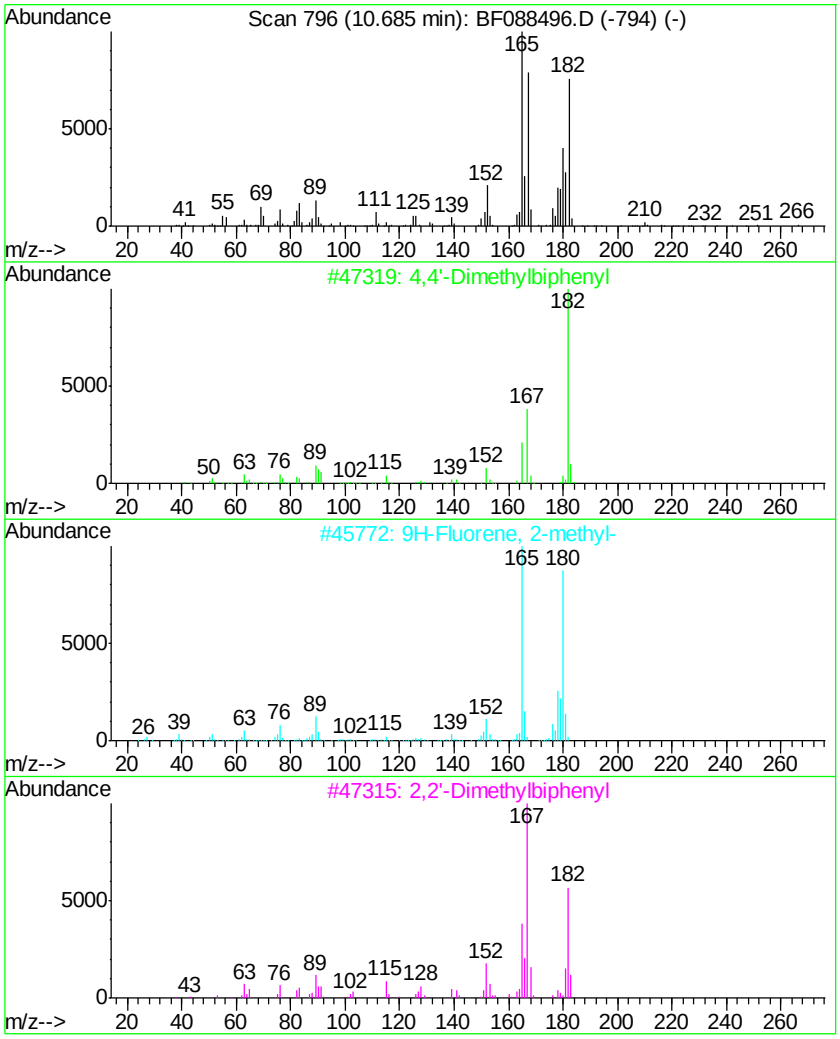
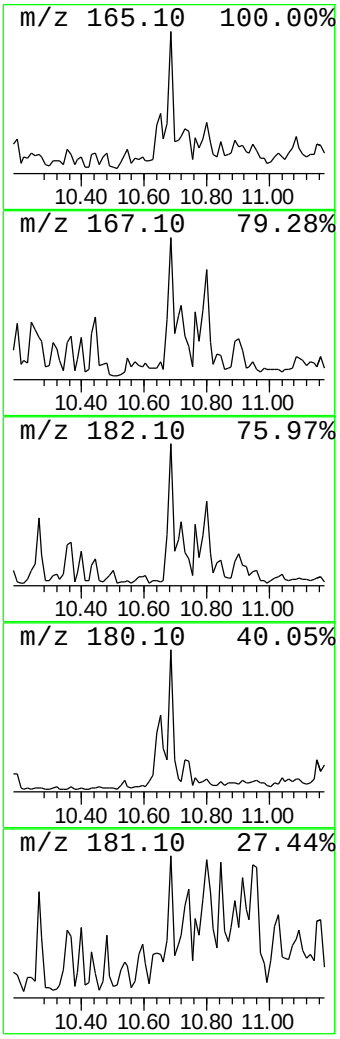
Peak Number 8 unknown10.68 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.68	27.75 ng	537500	Phenanthrene-d10	11.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	47
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	42
3	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	38
4	Benzene, 1,2,3-trimethoxy-5-methyl-	182	C10H14O3	006443-69-2	38
5	Benzo[b]selenophene	182	C8H6Se	000272-30-0	30





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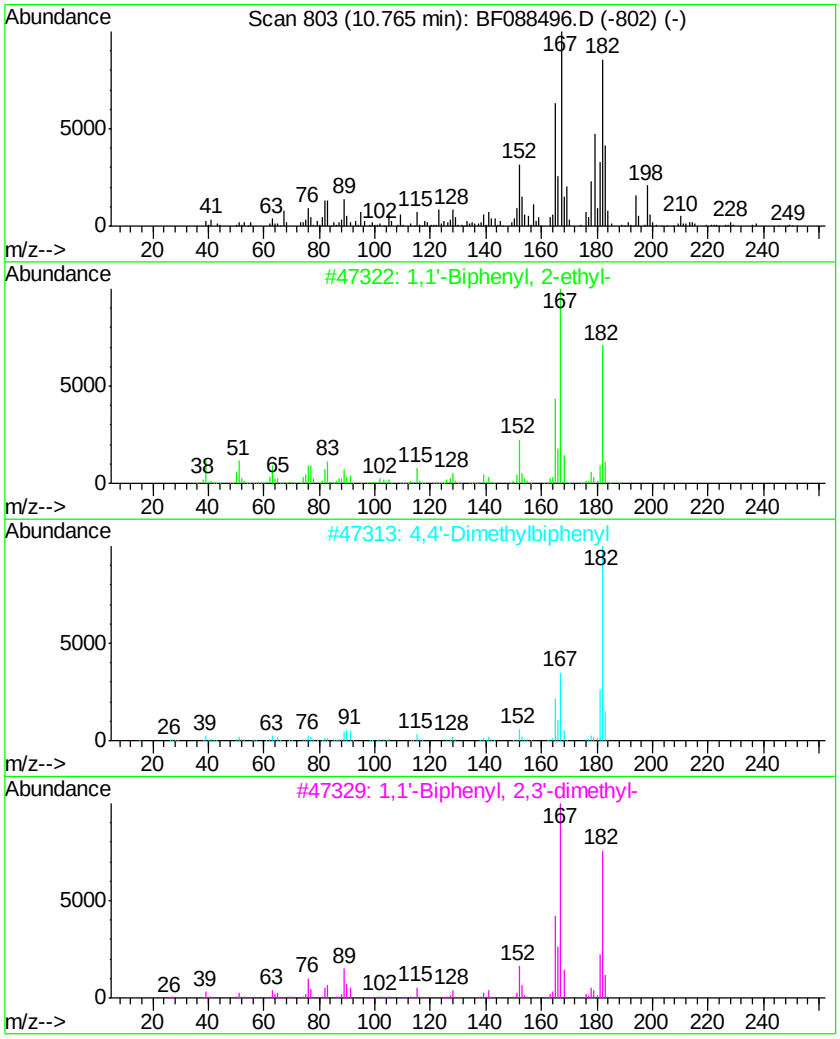
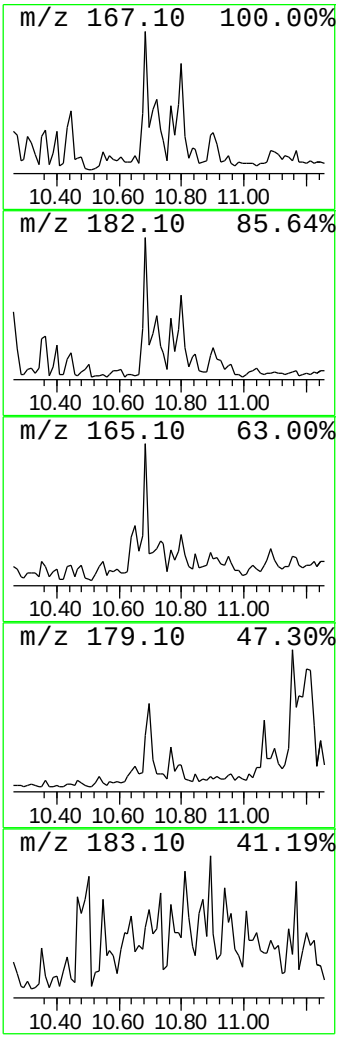
Peak Number 9 1,1'-Biphenyl, 2-ethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	15.84 ng	306698	Phenanthrene-d10	11.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	89
2	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	78
3	1,1'-Biphenyl, 2,3'-dimethyl-	182	C14H14	000611-43-8	60
4	1,4-Methanonaphthalene,1,4-dihyd...	182	C14H14	007350-72-3	55
5	Tricyclo[4.4.1.0(2,5)]undeca-1(1...	182	C14H14	055836-29-8	55





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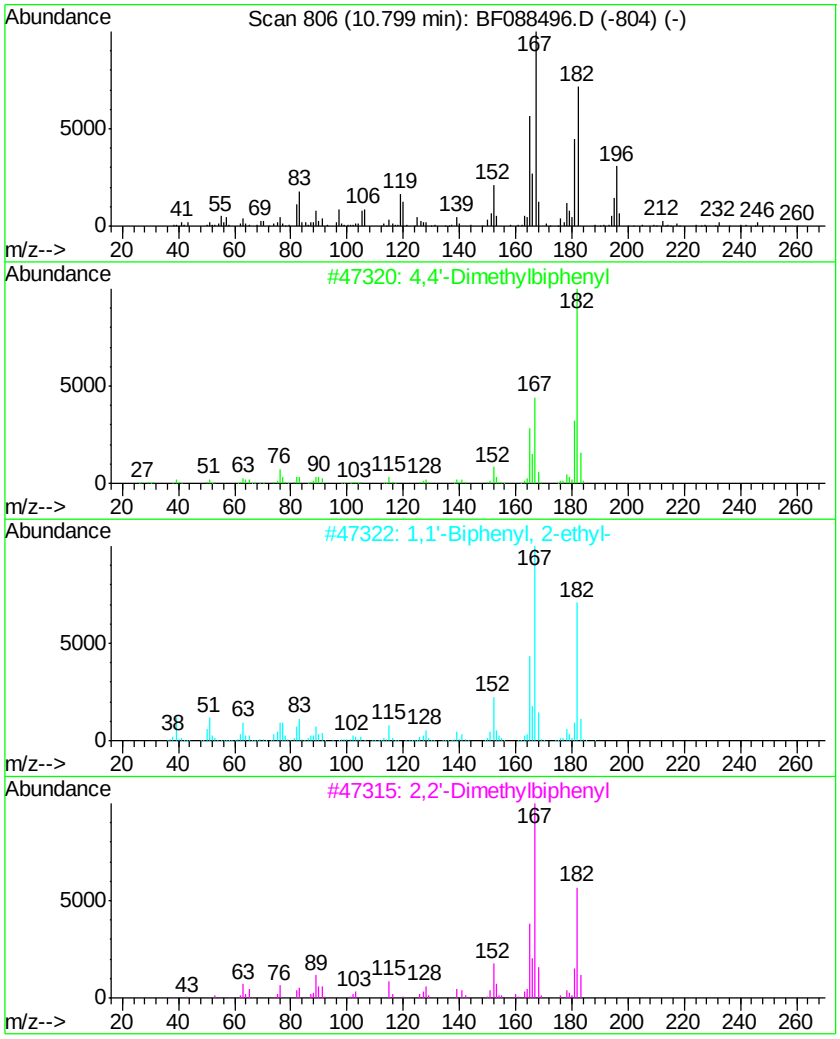
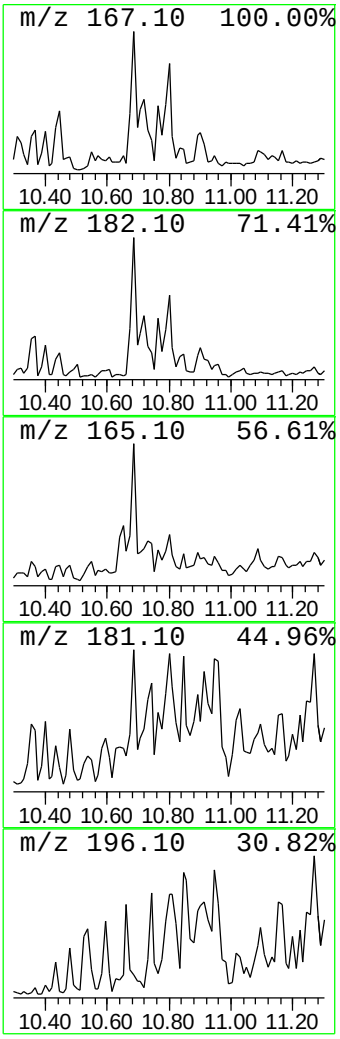
Peak Number 10 4,4'-Dimethylbiphenyl Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	21.42 ng	414842	Phenanthrene-d10	11.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	76
2	1,1'-Biphenyl, 2-ethyl-	182	C14H14	001812-51-7	60
3	2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	58
4	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	53
5	Oxirane, 2,3-diphenyl-	196	C14H12O	017619-97-5	53





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TIC Library : C:\Database\NIST11.L
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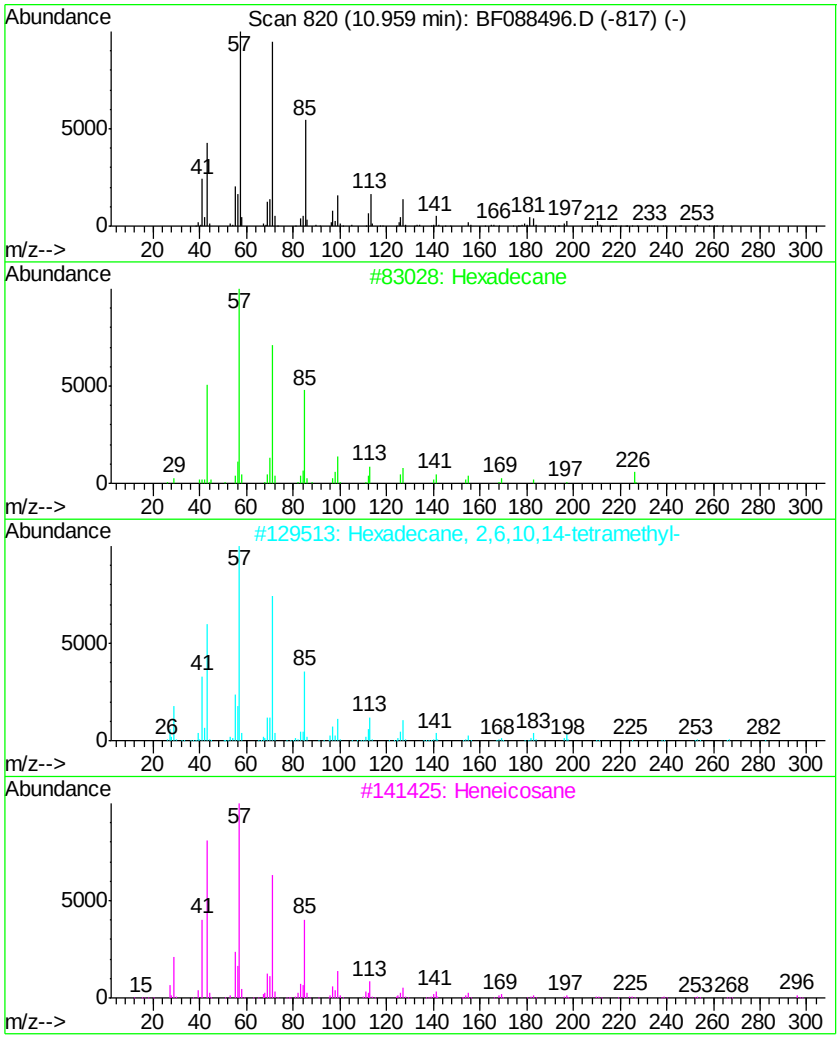
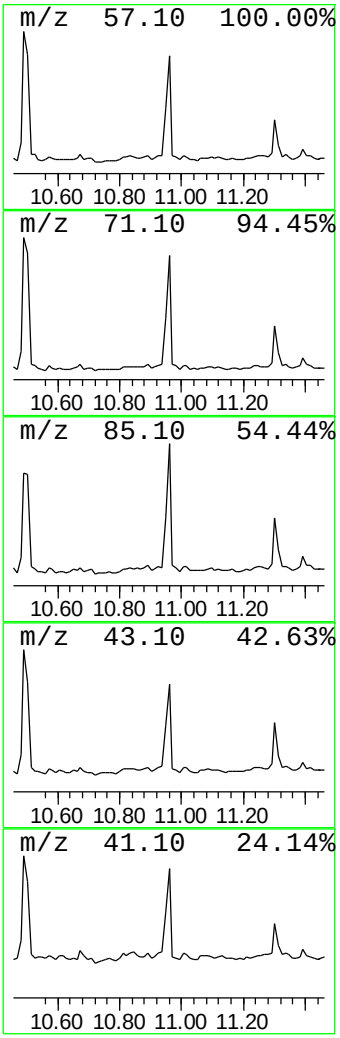
Peak Number 11 Hexadecane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.96	73.10 ng	1415730	Phenanthrene-d10	11.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	83
3	Heneicosane	296	C21H44	000629-94-7	78
4	Heptadecane	240	C17H36	000629-78-7	72
5	Nonane, 5-butyl-	184	C13H28	017312-63-9	64





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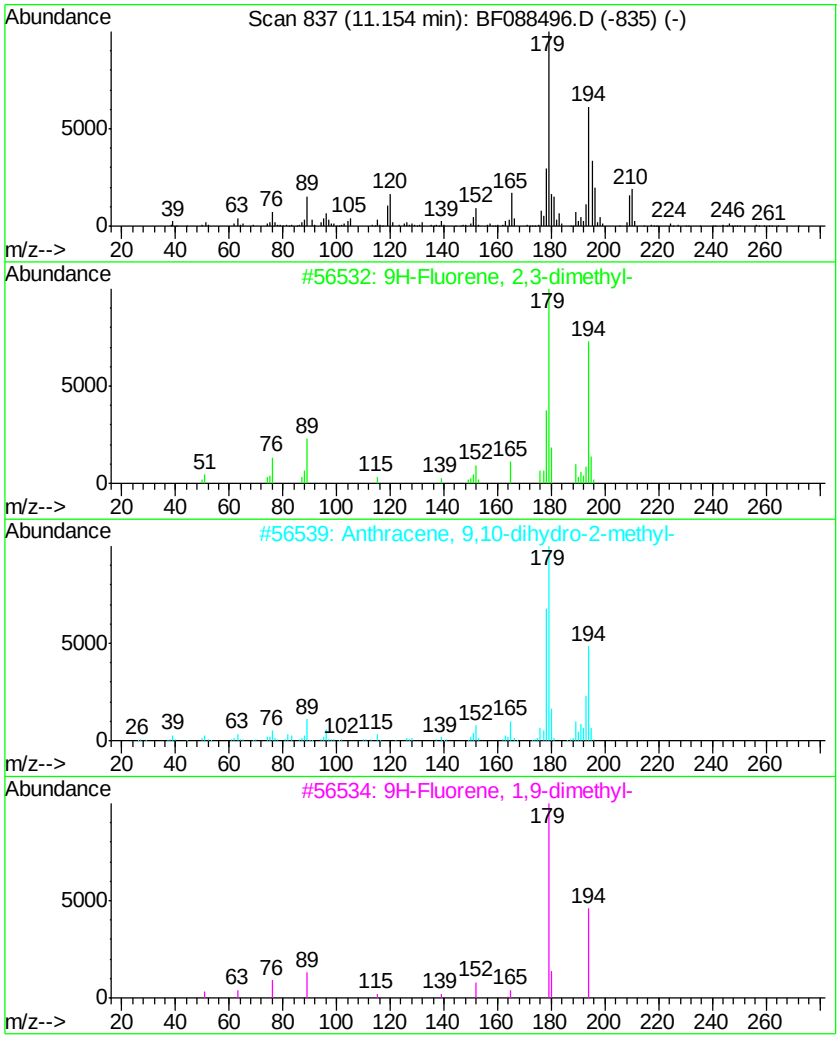
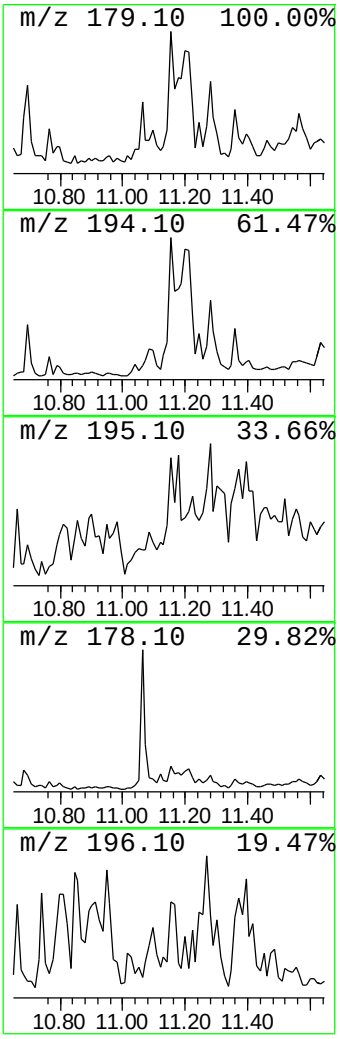
Peak Number 12 9H-Fluorene, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	25.14 ng	486951	Phenanthrene-d10	11.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2,3-dimethyl-	194	C15H14	004612-63-9	93
2	Anthracene, 9,10-dihydro-2-methyl-	194	C15H14	000948-67-4	46
3	9H-Fluorene, 1,9-dimethyl-	194	C15H14	017057-98-6	43
4	Anthracene, 9-ethyl-9,10-dihydro-	208	C16H16	000605-82-3	38
5	9H-Fluorene, 9,9-dimethyl-	194	C15H14	004569-45-3	38





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TIC Library : C:\Database\NIST11.L
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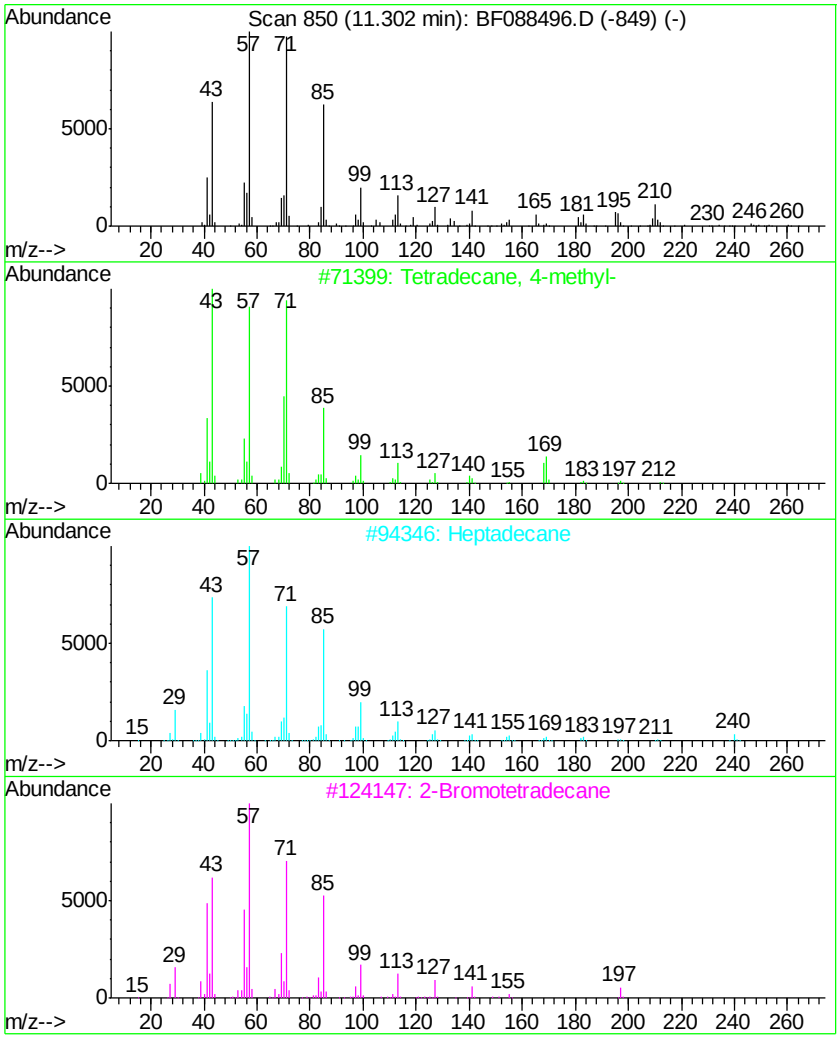
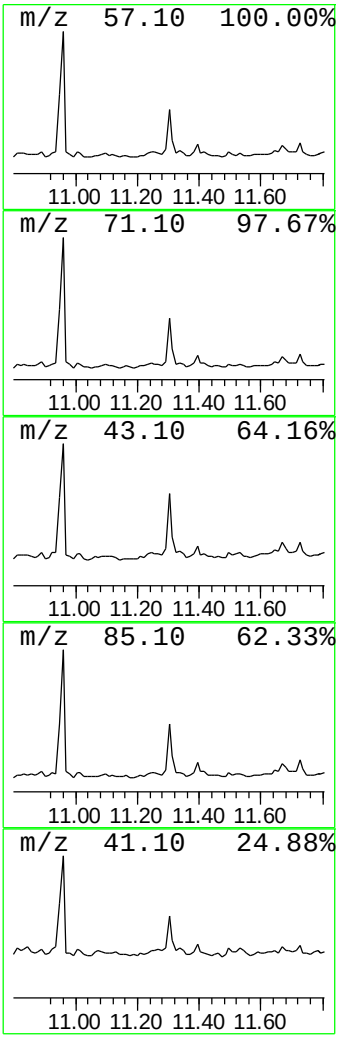
Peak Number 13 Tetradecane, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	27.88 ng	540021	Phenanthrene-d10	11.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane, 4-methyl-	212	C15H32	025117-24-2	87
2	Heptadecane	240	C17H36	000629-78-7	86
3	2-Bromotetradecane	276	C14H29Br	074036-95-6	83
4	Heneicosane	296	C21H44	000629-94-7	72
5	Octadecane	254	C18H38	000593-45-3	72





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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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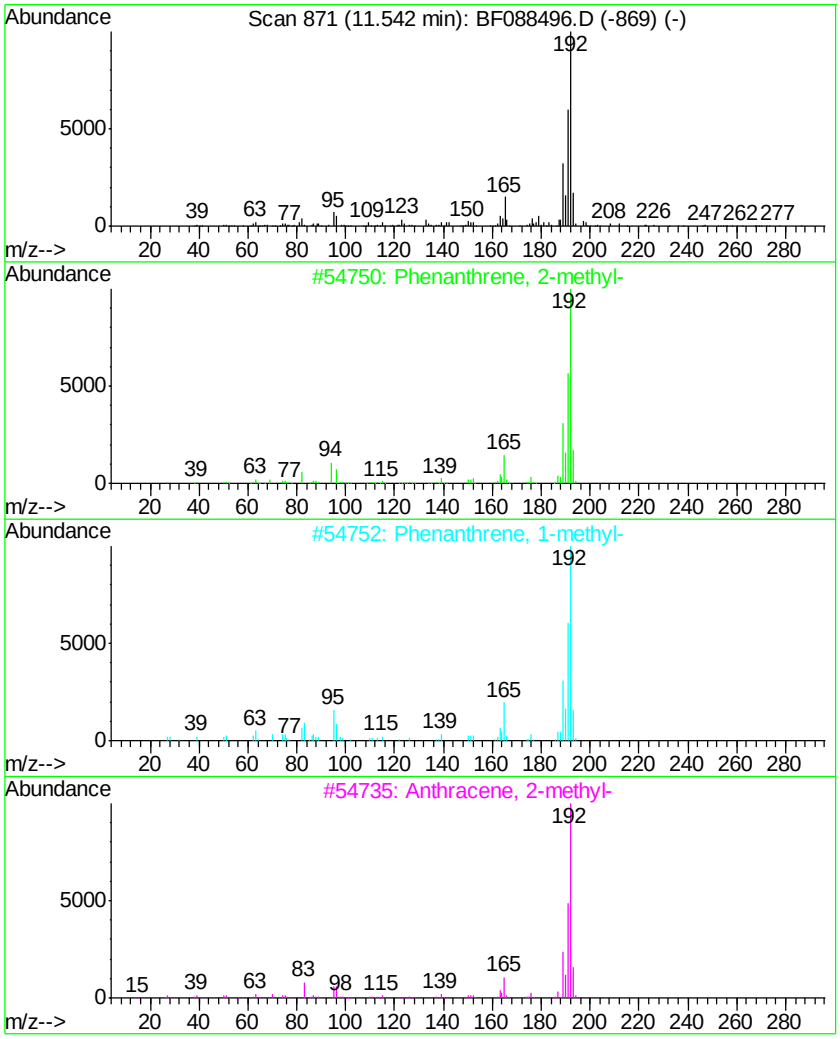
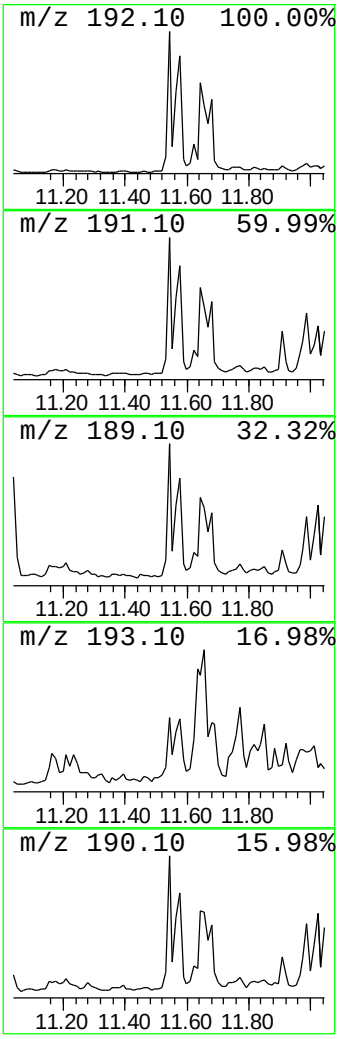
Peak Number 14 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.54	24.56 ng	475578	Phenanthrene-d10	11.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90





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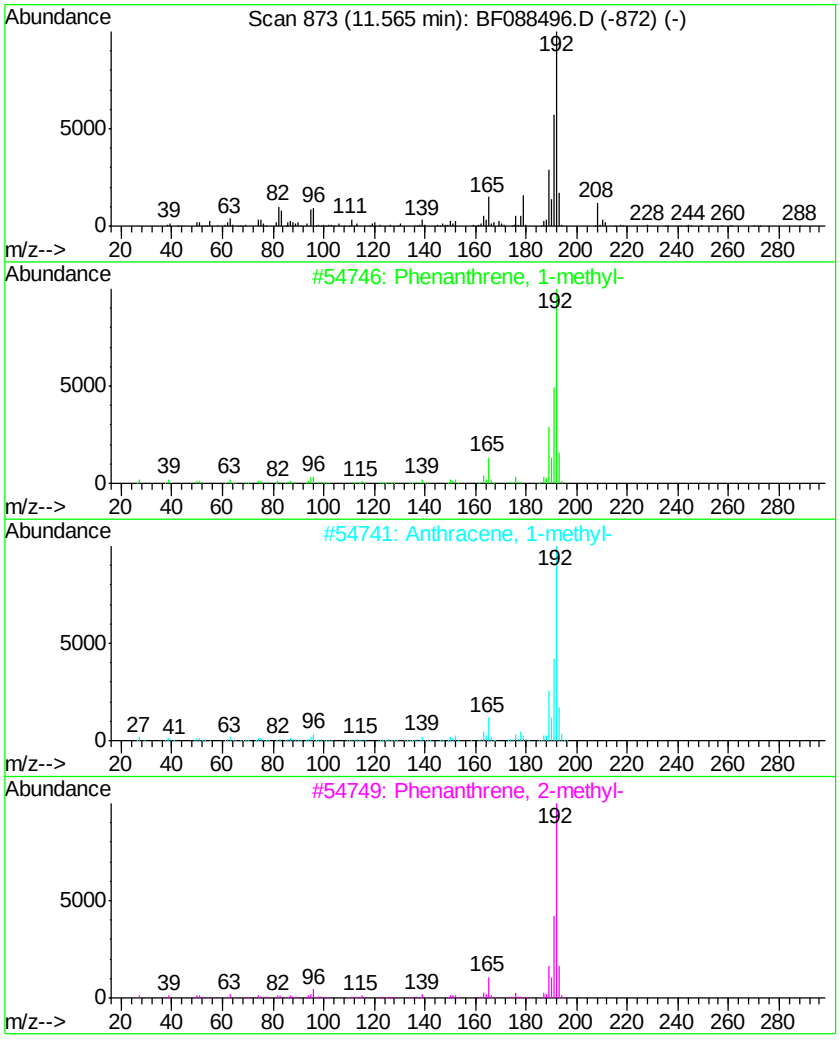
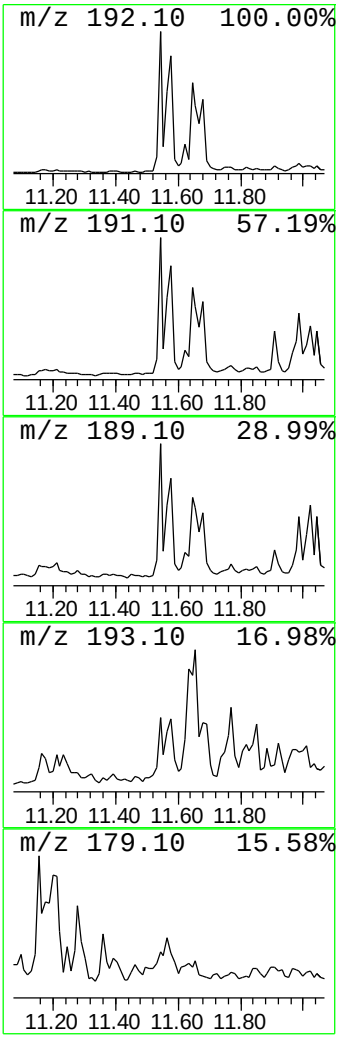
Peak Number 15 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.57	24.19 ng	468522	Phenanthrene-d10	11.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





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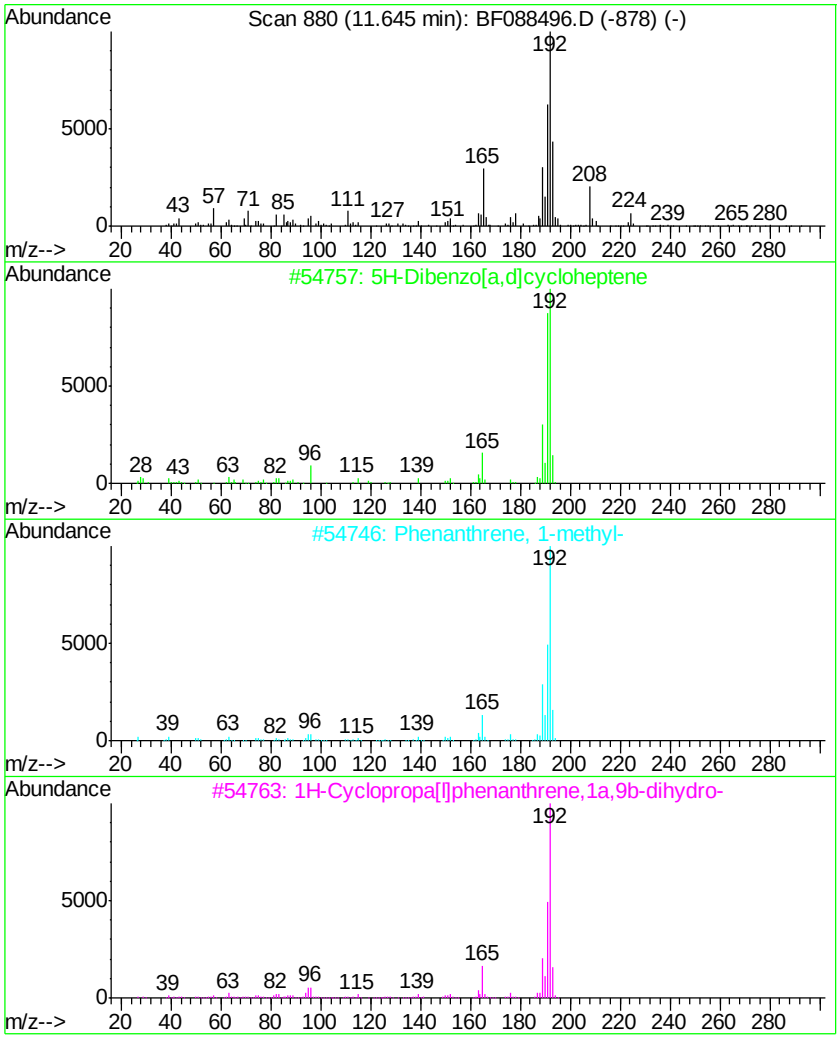
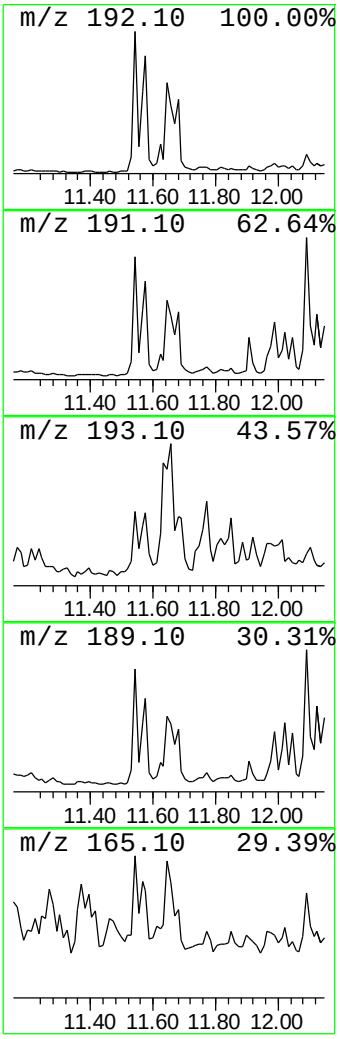
Peak Number 16 5H-Dibenzo[a,d]cycloheptene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	56.89 ng	1101760	Phenanthrene-d10	11.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	92
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	83
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	64
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	64





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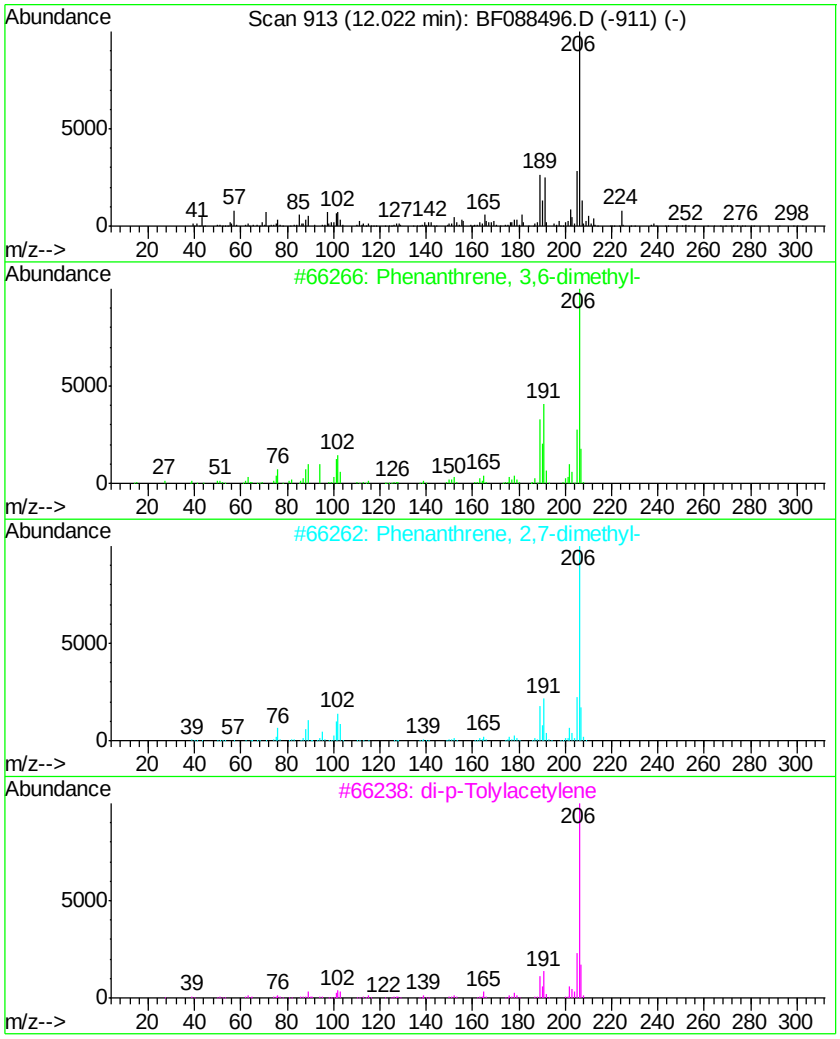
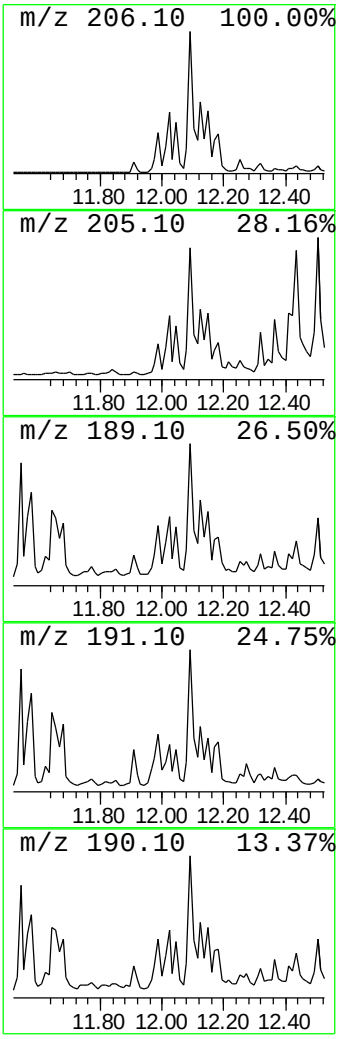
Peak Number 17 Phenanthrene, 3,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	33.24 ng	643862	Phenanthrene-d10	11.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	83
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	70
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	68
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	68





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Instrument : BNA_F
ClientSampleId : 1

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

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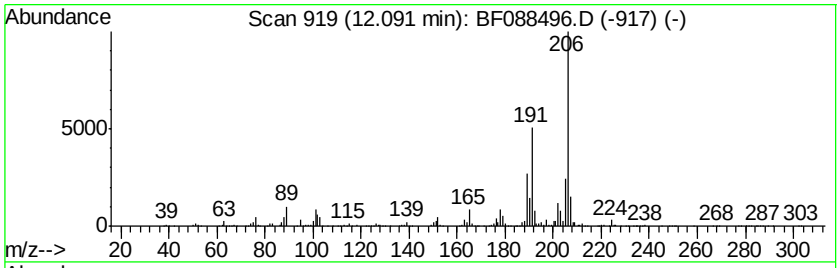
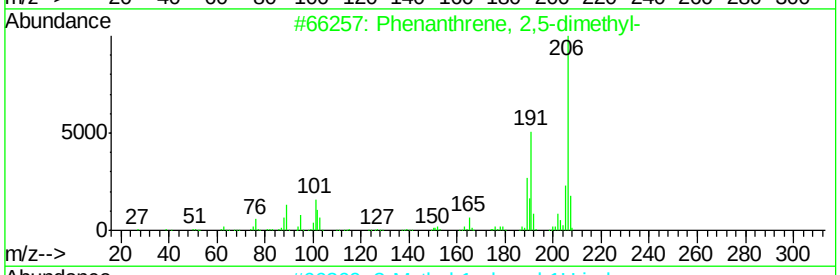
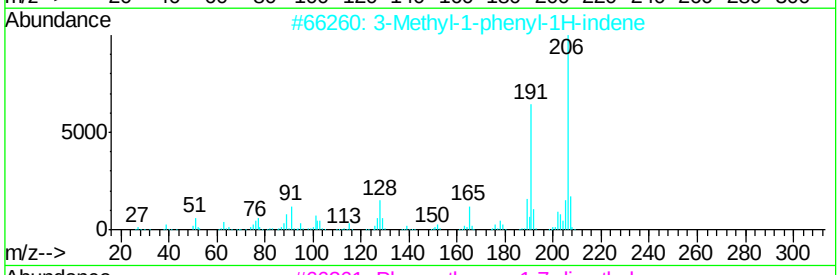
Peak Number 18 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

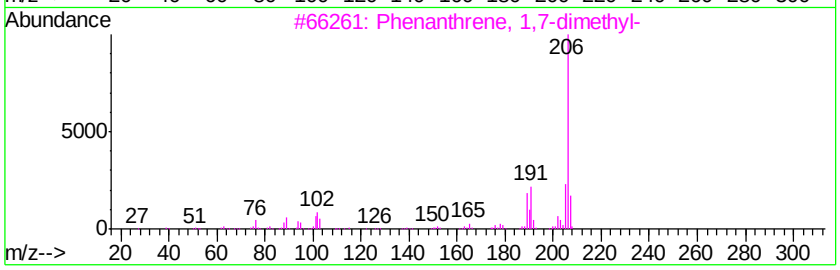
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	51.60 ng	999429	Phenanthrene-d10	11.04

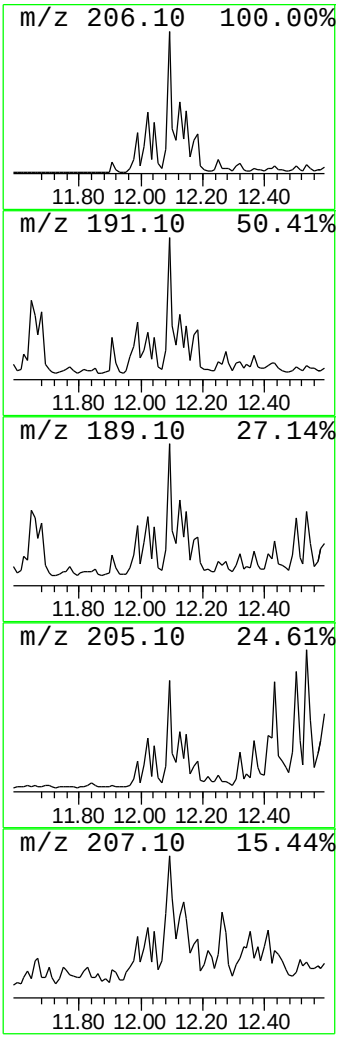
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93











Data Path : Z:\HPCHEM1\BNA F\DATA\BF062816\
Data File : BF088496.D
Acq On : 28 Jun 2016 23:31
Operator : UM/SJ
Sample : H3766-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

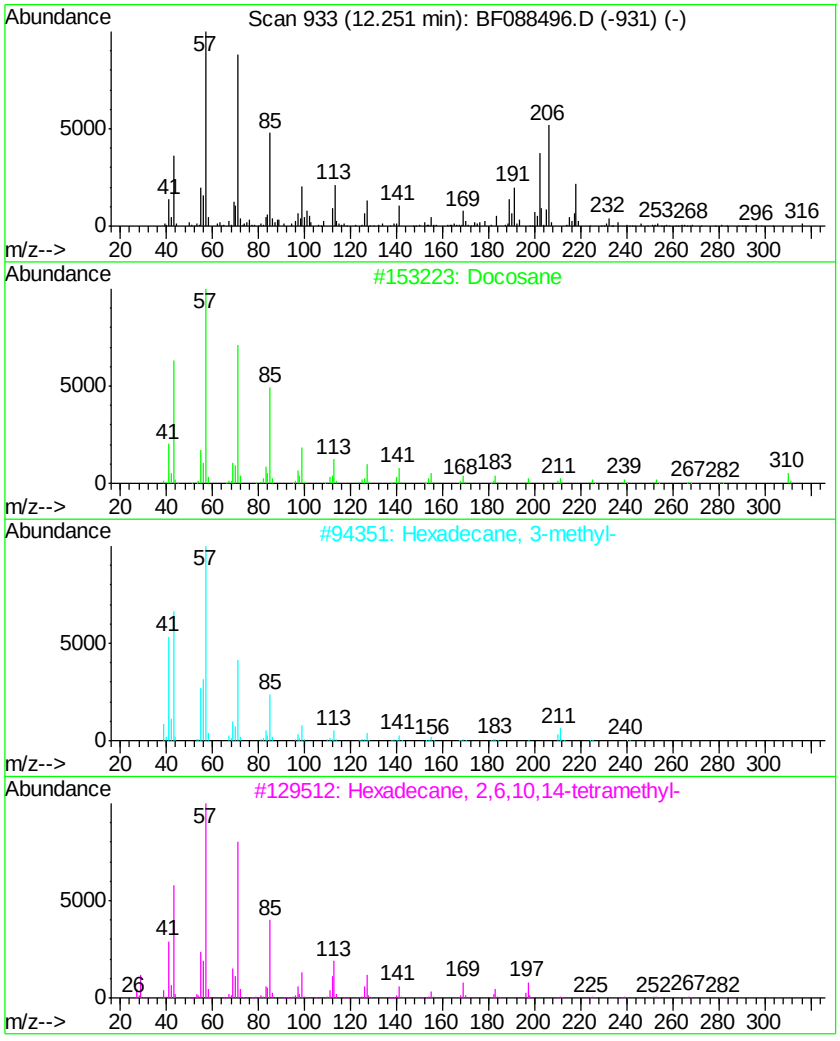
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

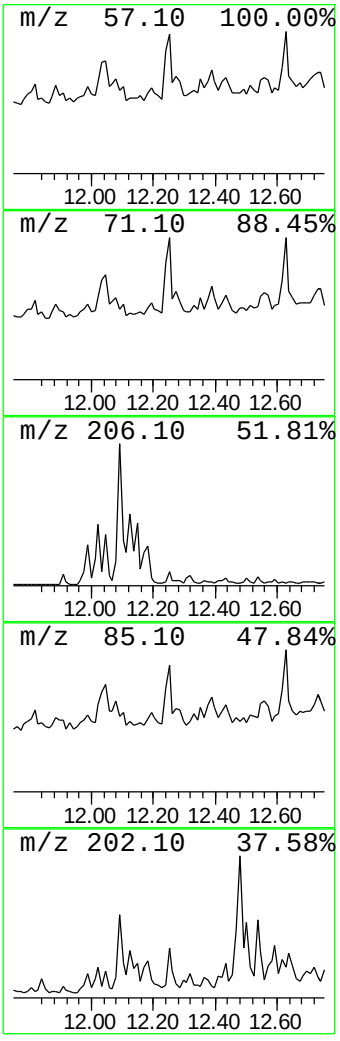
****

Peak Number 19 unknown12.25 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	18.20 ng	352508	Phenanthrene-d10	11.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Docosane	310	C22H46	000629-97-0	49
2	Hexadecane, 3-methyl-	240	C17H36	006418-43-5	49
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	49
4	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	46
5	Heneicosane	296	C21H44	000629-94-7	46





Data Path : Z:\HPCHEM1\BNA F\DATA\BF062816\
Data File : BF088496.D
Acq On : 28 Jun 2016 23:31
Operator : UM/SJ
Sample : H3766-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.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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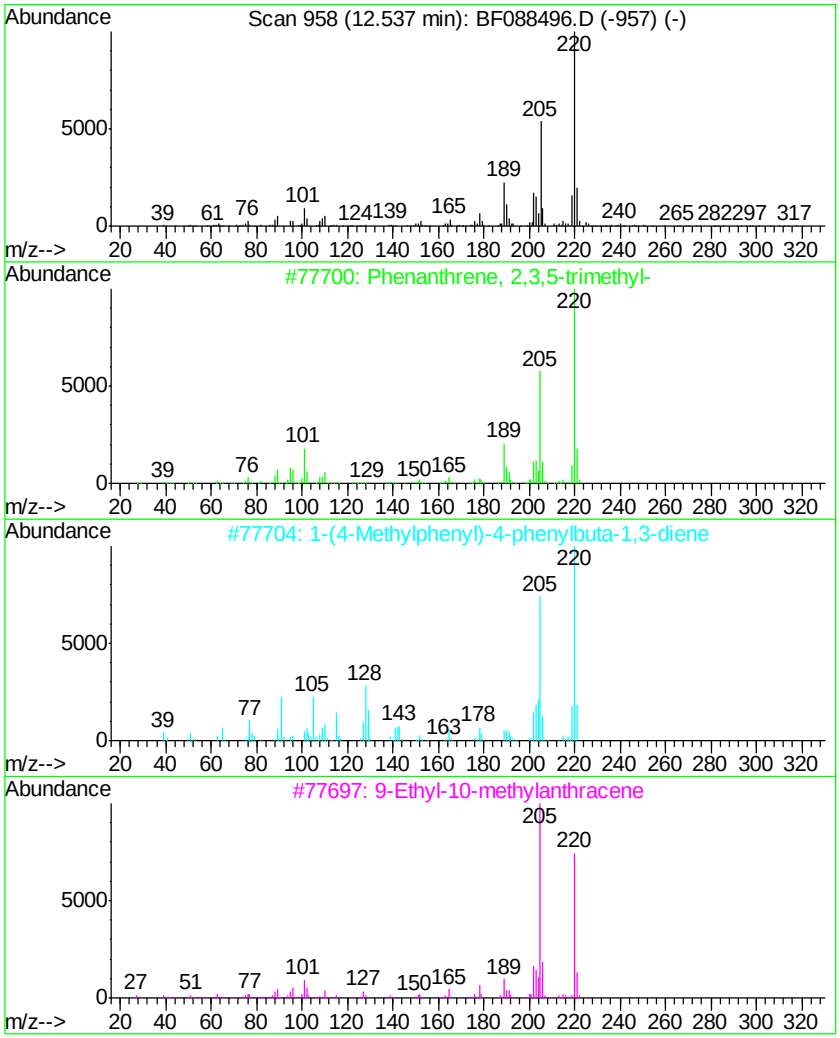
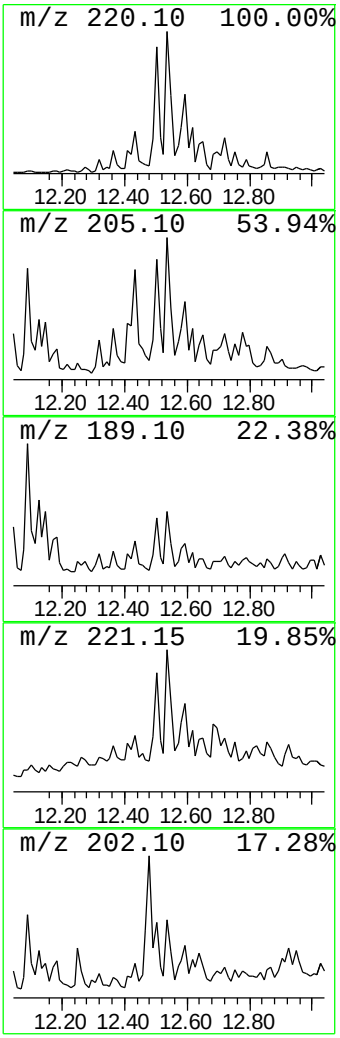
Peak Number 20 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	16.12 ng	364415	Chrysene-d12	13.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	91
2	1-(4-Methylphenyl)-4-phenylbuta-...	220	C17H16	037985-11-8	87
3	9-Ethyl-10-methylanthracene	220	C17H16	019713-49-6	64
4	Benzo[b]dihydropyran, 6-hydroxy-...	220	C14H20O2	050442-70-1	53
5	1-(Hydroxy-phenyl-methyl)-2-meth...	408	C27H36O3	108546-86-7	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062816\
Data File : BF088496.D
Acq On : 28 Jun 2016 23:31
Operator : UM/SJ
Sample : H3766-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 1

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.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
unknown6.30	6.30	77.0	ng	1915540	1	6.52	497193	20.0
2-Ethyl-2,3-dihyd...	8.09	15.7	ng	1013700	2	7.80	1291610	20.0
Naphthalene, 1,5-...	9.15	19.1	ng	1205530	3	9.55	1262230	20.0
Naphthalene, 2,7-...	9.22	22.5	ng	1422170	3	9.55	1262230	20.0
Tridecane, 4-methyl-	10.49	103.4	ng	2002160	4	11.04	387349	20.0
Chamazulene	10.55	21.8	ng	422480	4	11.04	387349	20.0
unknown10.68	10.68	27.8	ng	537500	4	11.04	387349	20.0
1,1'-Biphenyl, 2-...	10.76	15.8	ng	306698	4	11.04	387349	20.0
4,4'-Dimethylbiph...	10.80	21.4	ng	414842	4	11.04	387349	20.0
Hexadecane	10.96	73.1	ng	1415730	4	11.04	387349	20.0
9H-Fluorene, 2,3-...	11.15	25.1	ng	486951	4	11.04	387349	20.0
Tetradecane, 4-me...	11.30	27.9	ng	540021	4	11.04	387349	20.0
Phenanthrene, 2-m...	11.54	24.6	ng	475578	4	11.04	387349	20.0
Phenanthrene, 1-m...	11.57	24.2	ng	468522	4	11.04	387349	20.0
5H-Dibenzo[a,d]cy...	11.65	56.9	ng	1101760	4	11.04	387349	20.0
Phenanthrene, 3,6...	12.02	33.2	ng	643862	4	11.04	387349	20.0
Phenanthrene, 2,5...	12.09	51.6	ng	999429	4	11.04	387349	20.0
unknown12.25	12.25	18.2	ng	352508	4	11.04	387349	20.0
Phenanthrene, 2,3...	12.54	16.1	ng	364415	5	13.68	452172	20.0