LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
Data File : BF086290.D
Acq On : 18 Apr 2016 19:08
Operator : UM/SJ
Sample : H2413-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-2-I-9(0-2)

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-BF041516.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	2.190	6	9	25	rVB	428782	874057	11.24%	0.789%
2	5.093	260	263	270	rBV	571755	931266	11.98%	0.840%
3	5.493	294	298	300	rBV	6178517	7655048	98.44%	6.909%
4	5.893	331	333	336	rBV	89847	94915	1.22%	0.086%
5	6.522	384	388	390	rVB	6043544	7626838	98.08%	6.883%
6	6.659	397	400	402	rBV	6678945	7776027	100.00%	7.018%
7	6.887	418	420	422	rBV	2206621	1832759	23.57%	1.654%
8	7.047	431	434	436	rBV	6163937	6233536	80.16%	5.626%
9	7.459	466	470	472	rBV	4257697	6097165	78.41%	5.503%
10	7.550	474	478	480	rVB	202641	333006	4.28%	0.301%
11	7.893	506	508	510	rBV	98491	128772	1.66%	0.116%
12	8.168	530	532	537	rBV2	1703544	2559875	32.92%	2.310%
13	8.282	540	542	544	rVB	93470	79300	1.02%	0.072%
14	8.888	593	595	596	rVB	395854	335874	4.32%	0.303%
15	8.979	601	603	605	rVB	232270	275700	3.55%	0.249%
16	9.059	608	610	614	rBV5	25575	81945	1.05%	0.074%
17	9.253	624	627	629	rVB	6812442	6794646	87.38%	6.132%
18	9.333	632	634	638	rBV2	125524	225787	2.90%	0.204%
19	9.448	642	644	646	rVB	99139	117389	1.51%	0.106%
20	9.516	647	650	652	rBV	152177	230735	2.97%	0.208%
21	9.585	654	656	657	rBV	316687	281220	3.62%	0.254%
22	9.642	659	661	663	rVB	1663852	1415575	18.20%	1.278%
23	9.699	663	666	671	rVB	147264	240624	3.09%	0.217%
24	9.791	671	674	676	rBV	198418	268832	3.46%	0.243%
25	9.859	679	680	683	rVB	135394	153538	1.97%	0.139%
26	9.928	683	686	687	rBV	2286291	2141481	27.54%	1.933%
27	9.962	687	689	690	rVB	450167	442504	5.69%	0.399%
28	10.031	693	695	697	rBV	74644	98055	1.26%	0.088%
29	10.088	697	700	702	rBV4	71130	158765	2.04%	0.143%
30	10.133	702	704	705	rVB	221599	302926	3.90%	0.273%
31	10.168	705	707	710	rVB2	123212	160477	2.06%	0.145%
32	10.248	711	714	715	rBV2	81500	105546	1.36%	0.095%
33	10.339	719	722	723	rBV2	168418	249556	3.21%	0.225%
34	10.362	723	724	726	rVB	348297	254572	3.27%	0.230%

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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
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-BF041516.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.419	726	729	732	rVB5	47738	103594	1.33%	0.093%
36	10.476	732	734	737	rBV2	373318	523229	6.73%	0.472%
37	10.533	737	739	740	rBV	113916	170278	2.19%	0.154%
38	10.625	746	747	749	rVB2	108831	136673	1.76%	0.123%
39	10.716	752	755	757	rBV	3196591	3701305	47.60%	3.340%
40	10.762	757	759	761	rVB3	61320	108421	1.39%	0.098%
41	10.808	761	763	764	rBV	57927	92500	1.19%	0.083%
42	10.831	764	765	769	rVB	338256	567938	7.30%	0.513%
43	11.025	780	782	783	rBV2	98218	116015	1.49%	0.105%
44	11.208	797	798	801	rVB2	154779	180479	2.32%	0.163%
45	11.311	801	807	810	rBV3	234215	716322	9.21%	0.646%
46	11.414	813	816	817	rBV	1509500	2317014	29.80%	2.091%
47	11.436	817	818	820	rVV	3278095	2360564	30.36%	2.130%
48	11.482	820	822	824	rVV	1091244	953739	12.27%	0.861%
49	11.516	824	825	827	rVB	147333	135662	1.74%	0.122%
50	11.631	833	835	837	rBV2	243915	378490	4.87%	0.342%
51	11.711	840	842	843	rVV	251545	237159	3.05%	0.214%
52	11.734	843	844	846	rVV	119477	163586	2.10%	0.148%
53	11.768	846	847	849	rVV	283961	377069	4.85%	0.340%
54	11.825	849	852	854	rVB2	79200	122480	1.58%	0.111%
55	11.859	854	855	857	rBV2	66480	118542	1.52%	0.107%
56	11.905	857	859	861	rVV	430274	696319	8.95%	0.628%
57	11.939	861	862	864	rVV	1204634	939510	12.08%	0.848%
58	11.985	864	866	867	rVV2	360186	347861	4.47%	0.314%
59	12.019	867	869	874	rVB2	1011343	1471122	18.92%	1.328%
60	12.111	875	877	881	rVB4	222707	337624	4.34%	0.305%
61	12.202	883	885	891	rVB3	355076	698751	8.99%	0.631%
62	12.351	896	898	900	rBV2	134203	168752	2.17%	0.152%
63	12.385	900	901	904	rVB	183185	277694	3.57%	0.251%
64	12.465	905	908	909	rBV	356887	546567	7.03%	0.493%
65	12.499	909	911	913	rVV2	277308	400971	5.16%	0.362%
66	12.545	913	915	917	rVB2	240785	320935	4.13%	0.290%
67	12.625	919	922	924	rBV	3622191	3671201	47.21%	3.313%
68	12.682	924	927	929	rVB2	102867	171676	2.21%	0.155%
69	12.854	937	942	944	rBV2	3237655	4851925	62.40%	4.379%
70	12.899	944	946	948	rVB2	387780	444154	5.71%	0.401%
71	13.002	952	955	957	rVB	4182136	5173024	66.53%	4.669%

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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
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Start Thrs: 0.2 Max Peaks: 100
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.071	957	961	964	rBV3	359702	607121	7.81%	0.548%
73	13.174	966	970	972	rVB	685210	1002557	12.89%	0.905%
74	13.242	974	976	977	rBV2	548110	506836	6.52%	0.457%
75	13.277	977	979	983	rVB2	517725	604378	7.77%	0.545%
76	13.368	986	987	989	rBV	297819	256813	3.30%	0.232%
77	13.402	989	990	992	rBV	339729	260035	3.34%	0.235%
78	13.482	995	997	999	rBV3	129252	201360	2.59%	0.182%
79	13.528	999	1001	1002	rBV	502892	436850	5.62%	0.394%
80	13.574	1003	1005	1008	rVV3	268811	372975	4.80%	0.337%
81	13.677	1012	1014	1017	rVB	288936	387317	4.98%	0.350%
82	13.791	1021	1024	1026	rBV2	402984	747019	9.61%	0.674%
83	13.825	1026	1027	1028	rVV	267530	270604	3.48%	0.244%
84	13.894	1031	1033	1036	rVB2	631582	884231	11.37%	0.798%
85	14.042	1043	1046	1047	rBV2	2063863	3131887	40.28%	2.826%
86	14.065	1047	1048	1052	rVB	1160129	1588006	20.42%	1.433%
87	14.145	1053	1055	1057	rBV2	258559	325115	4.18%	0.293%
88	14.225	1059	1062	1064	rBV3	234490	395572	5.09%	0.357%
89	14.431	1078	1080	1081	rBV	327700	314699	4.05%	0.284%
90	14.465	1081	1083	1084	rVB	233789	182060	2.34%	0.164%
91	14.522	1086	1088	1090	rBV	470625	476010	6.12%	0.430%
92	15.071	1133	1136	1141	rBV	1134637	2338449	30.07%	2.110%
93	15.357	1159	1161	1164	rVB	595681	912739	11.74%	0.824%
94	15.425	1164	1167	1170	rBV	867927	1163050	14.96%	1.050%
95	15.483	1170	1172	1174	rBV	648877	909717	11.70%	0.821%
96	15.951	1211	1213	1215	rBV	222219	354835	4.56%	0.320%
97	16.900	1293	1296	1300	rVB2	393211	806553	10.37%	0.728%
98	17.323	1330	1333	1339	rVB	334437	711124	9.15%	0.642%

Sum of corrected areas: 110805368

LSC Report - Integrated Chromatogram

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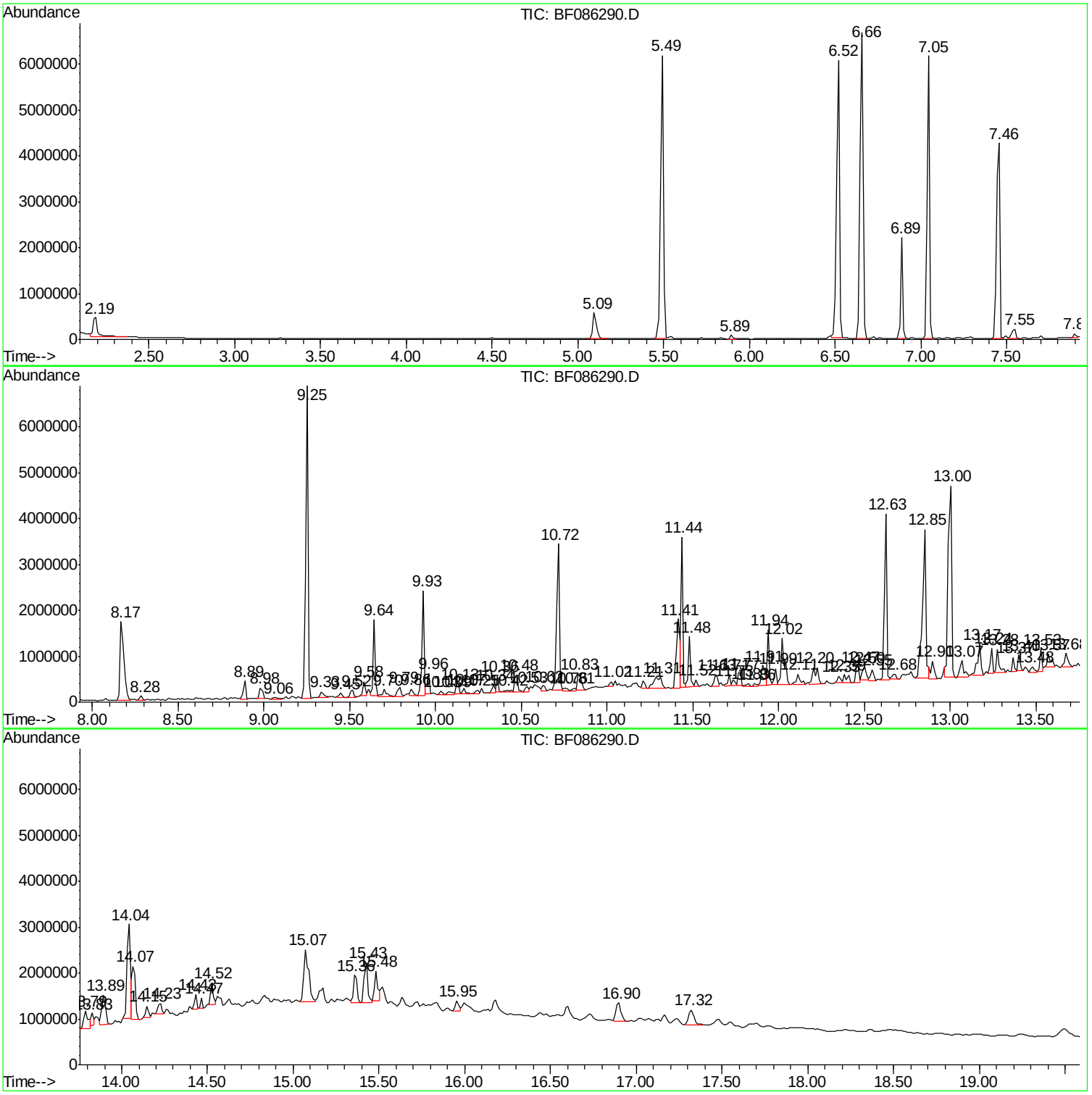
Operator : UM/SJ
Sample : H2413-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-2-I-9(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
Data File : BF086290.D
Acq On : 18 Apr 2016 19:08
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Misc :
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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

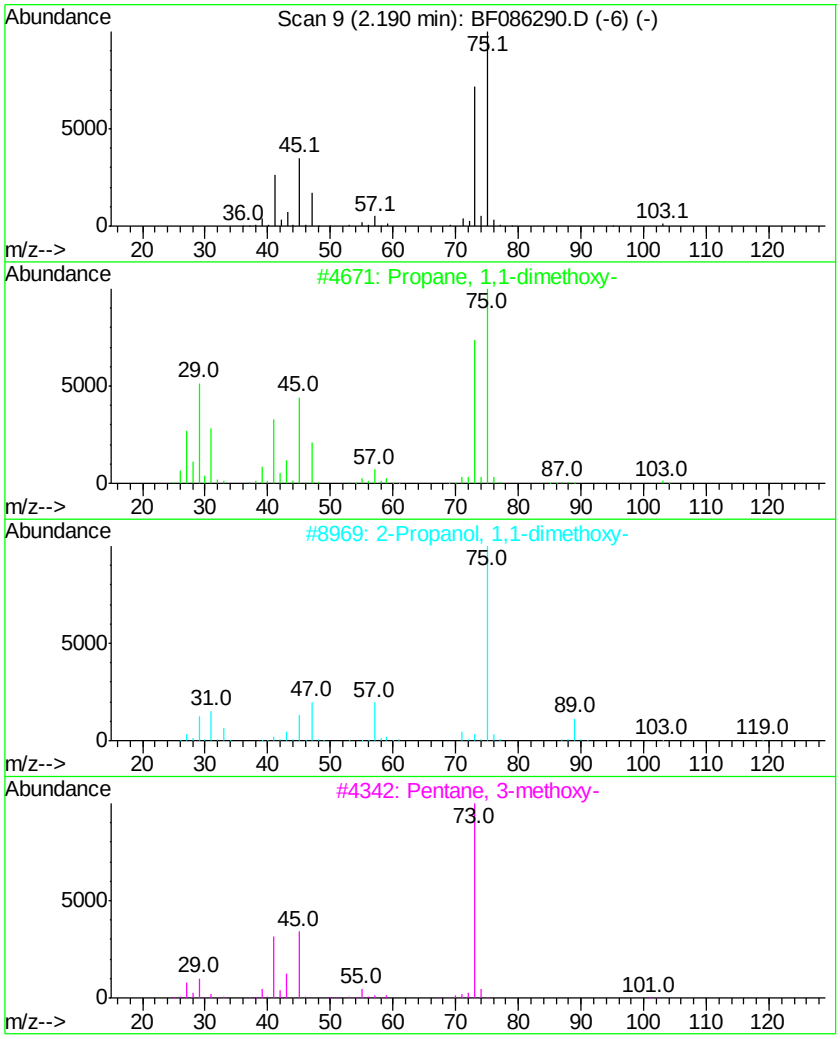
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

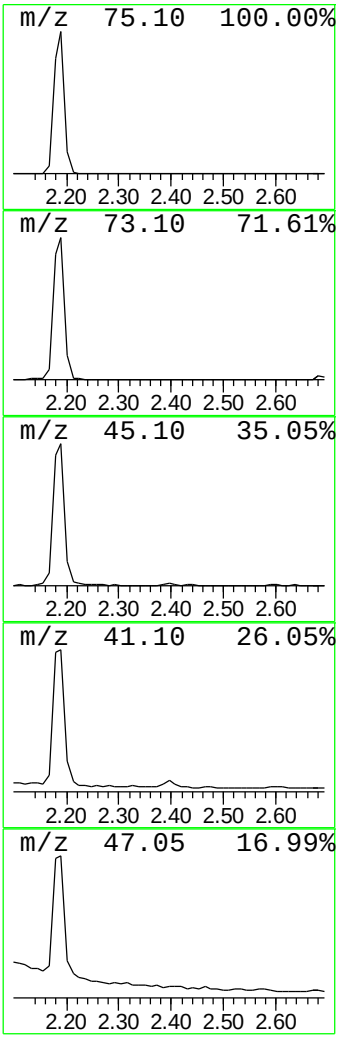
****

Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.19	9.54 ng	874057	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	64
2	2-Propanol, 1,1-dimethoxy-	120	C5H12O3	042919-42-6	39
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	10
4	1-Propene-1-thiol	74	C3H6S	000925-89-3	9
5	Thiocyanic acid, methyl ester	73	C2H3NS	000556-64-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
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Sample : H2413-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-2-I-9(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

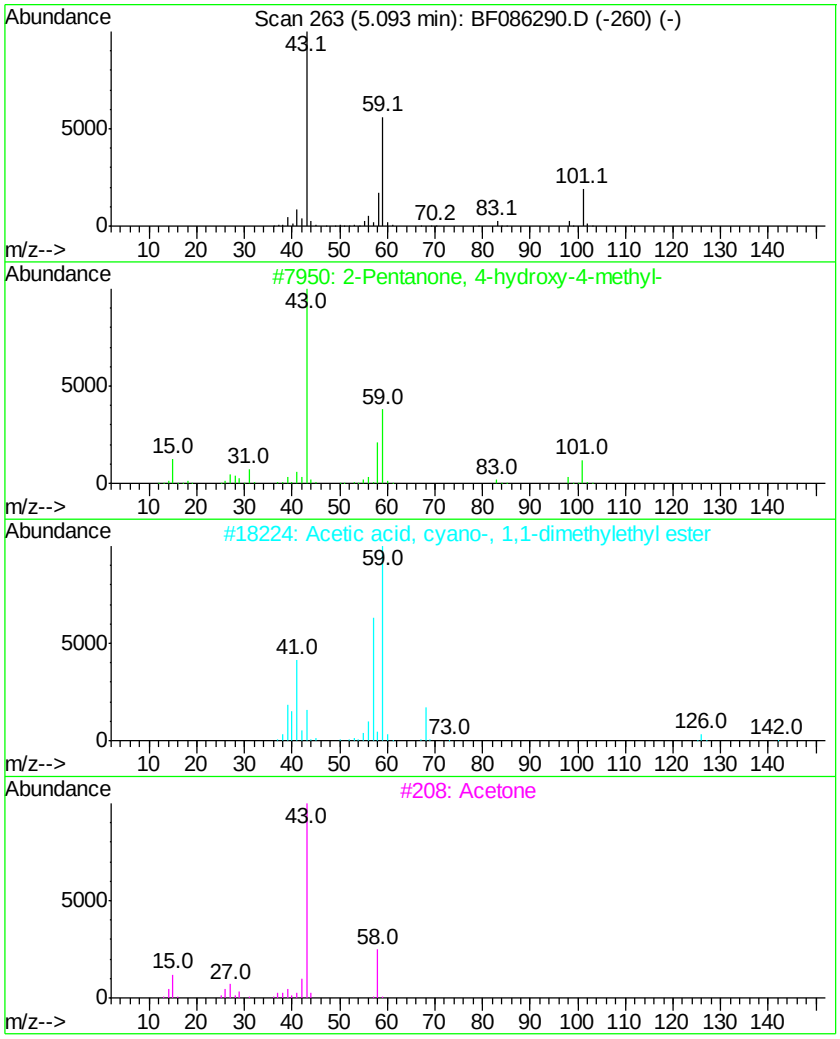
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

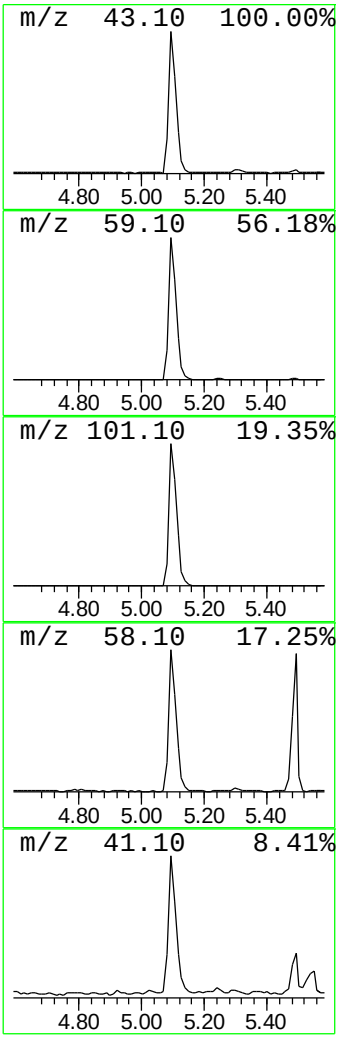
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.09	10.16 ng	931266	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	Acetone	58	C3H6O	000067-64-1	9
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Library Search Compound Report

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
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TIC Library : C:\DATABASE\NIST02.L
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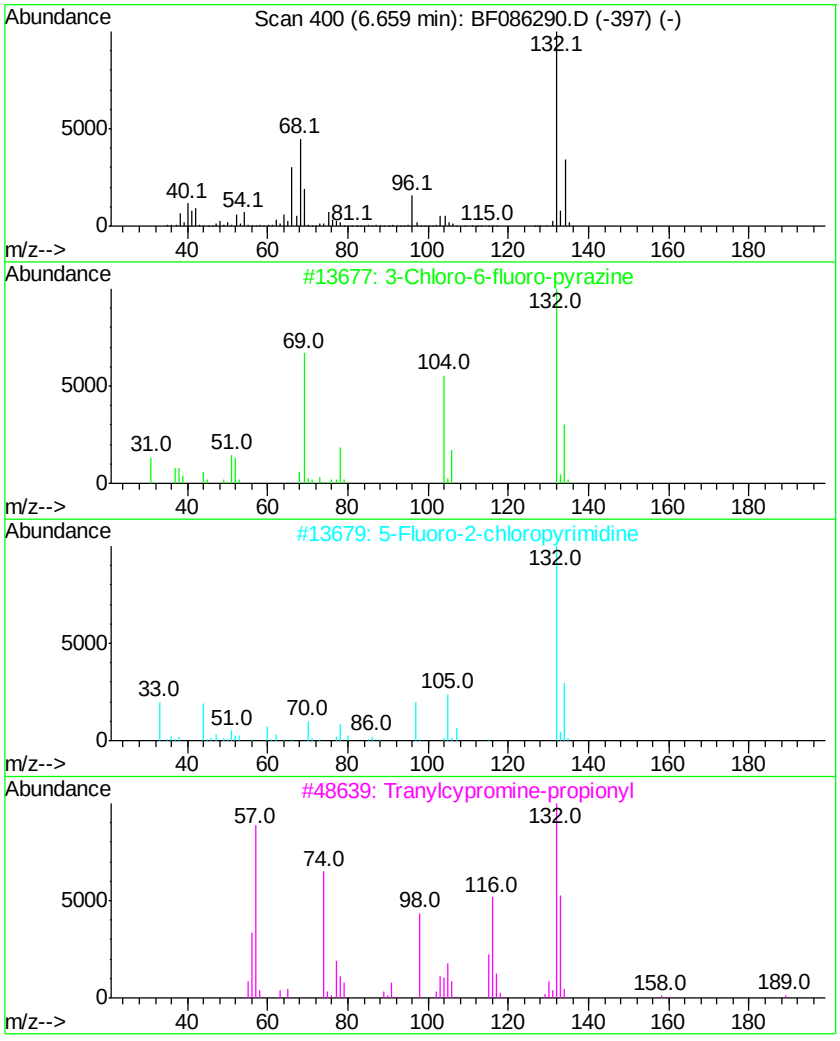
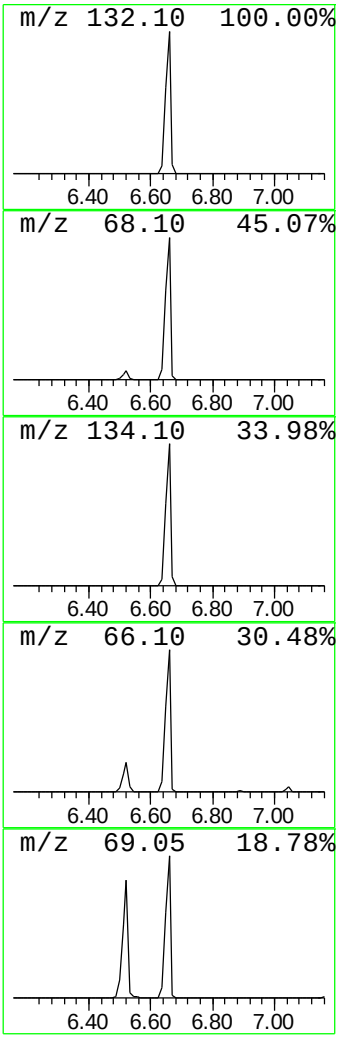
****

Peak Number 3 unknown6.66 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	84.86 ng	7776030	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





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ClientSampleId : SP-2-I-9(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
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TIC Library : C:\DATABASE\NIST02.L
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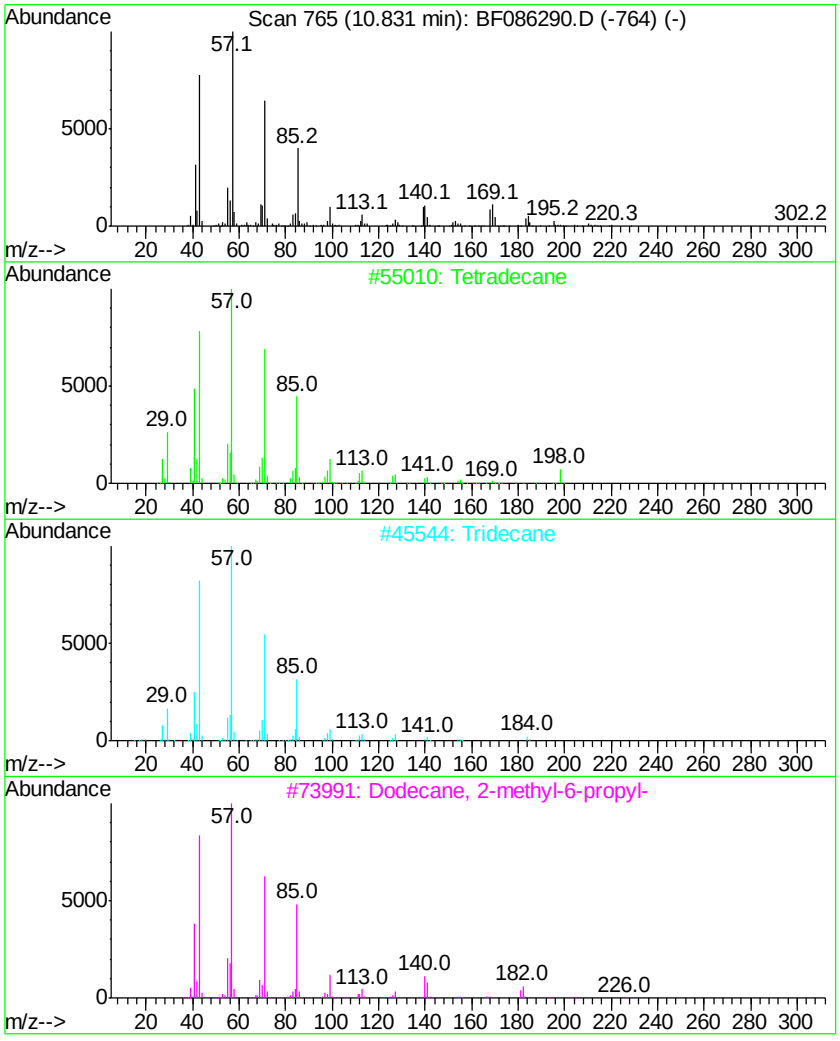
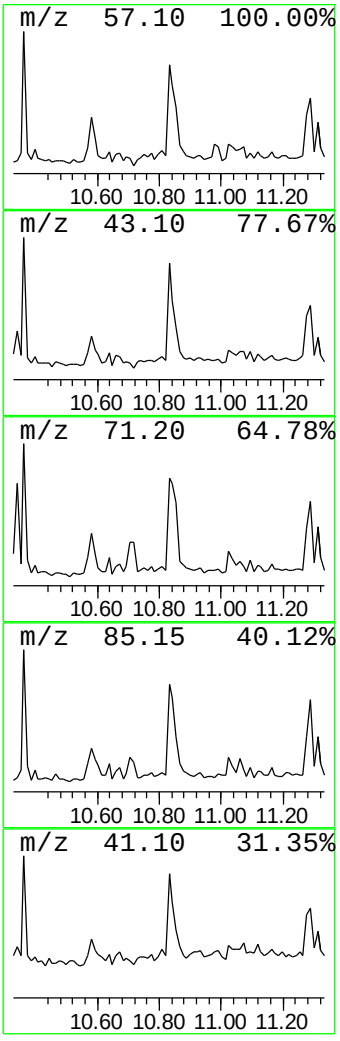
****

Peak Number 5 Tetradecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.83	4.90 ng	567938	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	70
2	Tridecane	184	C13H28	000629-50-5	68
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	64
4	Tetracosane	338	C24H50	000646-31-1	58
5	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	58





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Misc :
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Instrument : BNA_F
ClientSampleId : SP-2-I-9(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

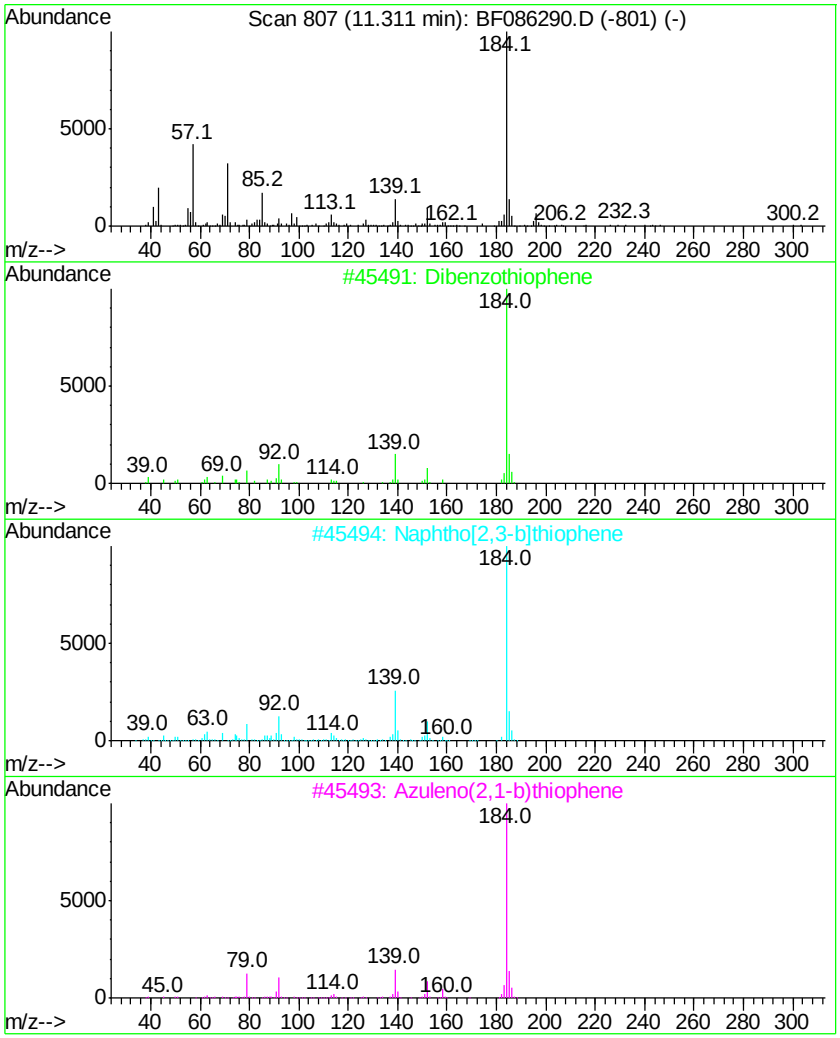
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

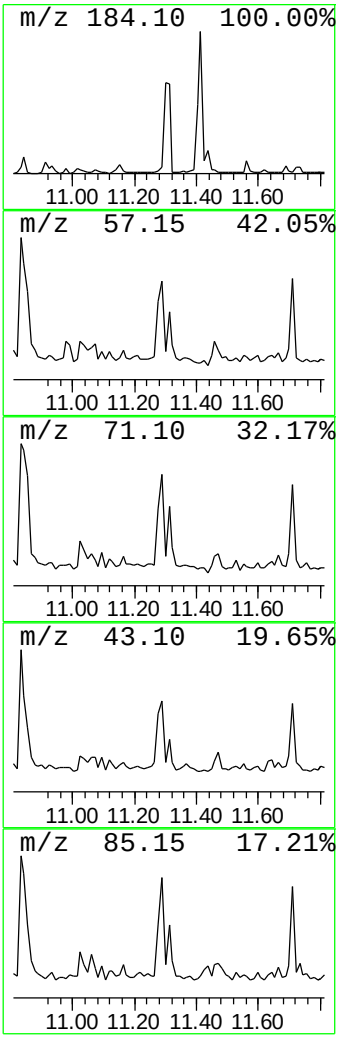
****

Peak Number 6 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.31	6.18 ng	716322	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	89
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	70
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	68
4	Thianthrene, 5-oxide	232	C12H8OS2	002362-50-7	59
5	2,5-Cyclohexadiene-1,4-dione, 2,...	184	C8H8O5	000085-23-4	53





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Data File : BF086290.D
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Sample : H2413-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-2-I-9(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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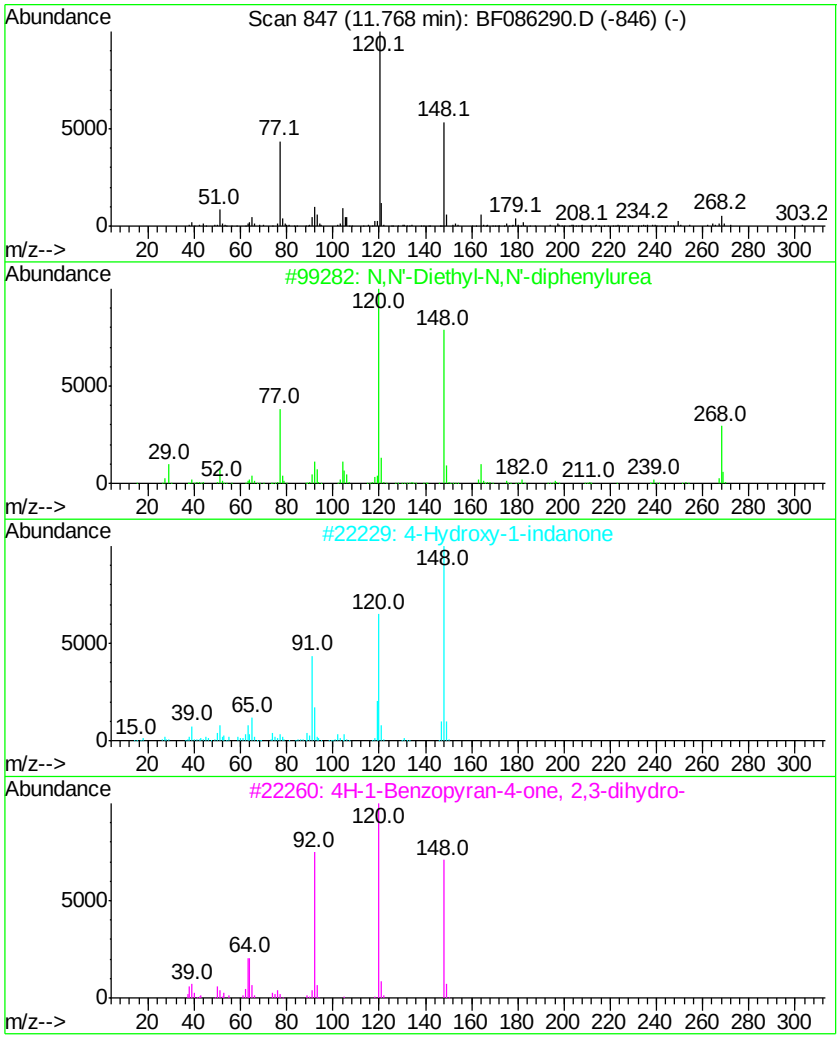
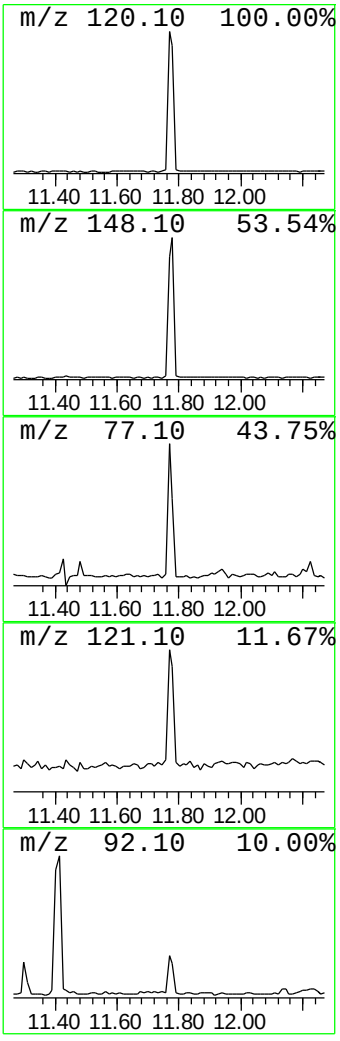
Peak Number 7 N,N'-Diethyl-N,N'-diphenylurea Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	3.25 ng	377069	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N,N'-Diethyl-N,N'-diphenylurea	268	C17H20N2O	000085-98-3	95
2	4-Hydroxy-1-indanone	148	C9H8O2	040731-98-4	50
3	4H-1-Benzopyran-4-one, 2,3-dihydro-	148	C9H8O2	000491-37-2	49
4	2-Naphthalenol, 5,6,7,8-tetrahydro-	148	C10H12O	001125-78-6	47
5	Benzenepentanenitrile, .delta.-o...	249	C17H15NO	022228-41-7	47





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Acq On : 18 Apr 2016 19:08
Operator : UM/SJ
Sample : H2413-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-2-I-9(0-2)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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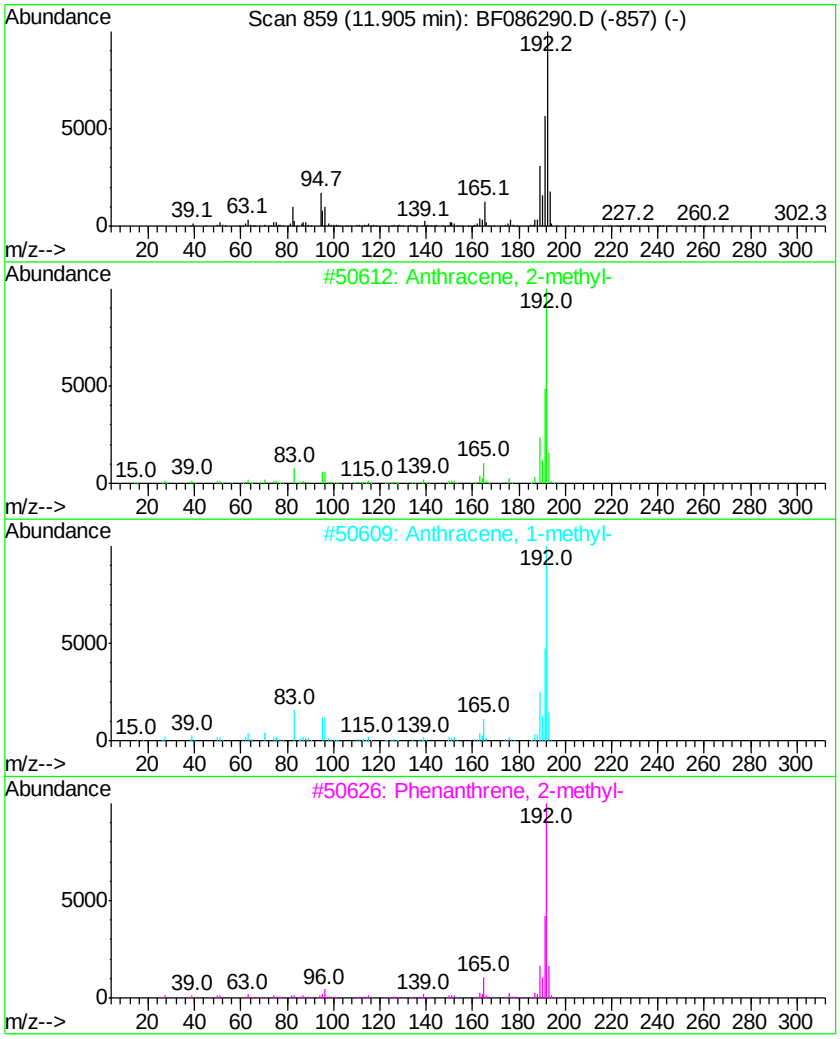
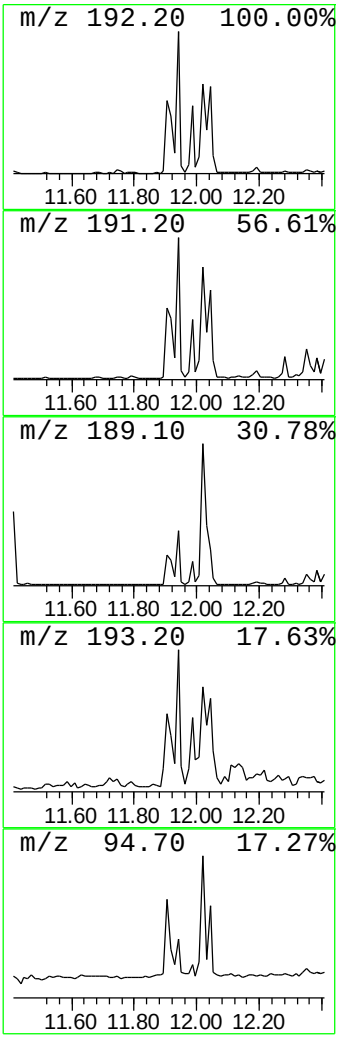
Peak Number 8 Anthracene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	6.01 ng	696319	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





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Operator : UM/SJ
Sample : H2413-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-2-I-9(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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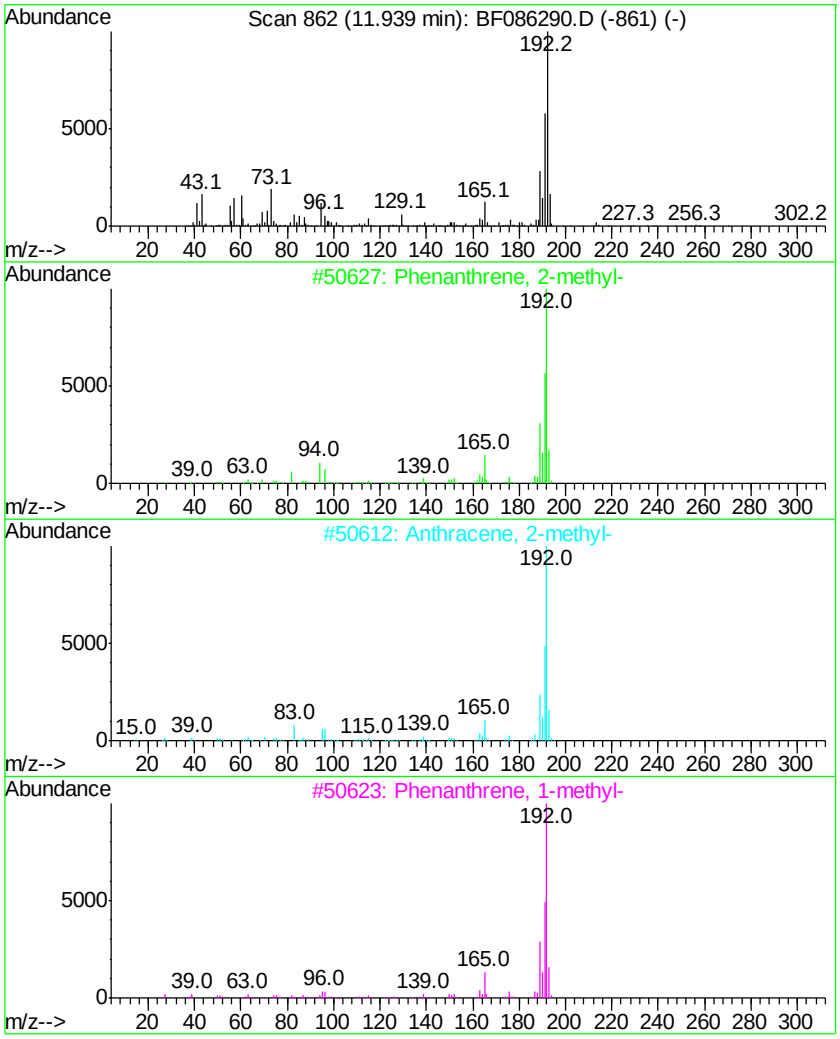
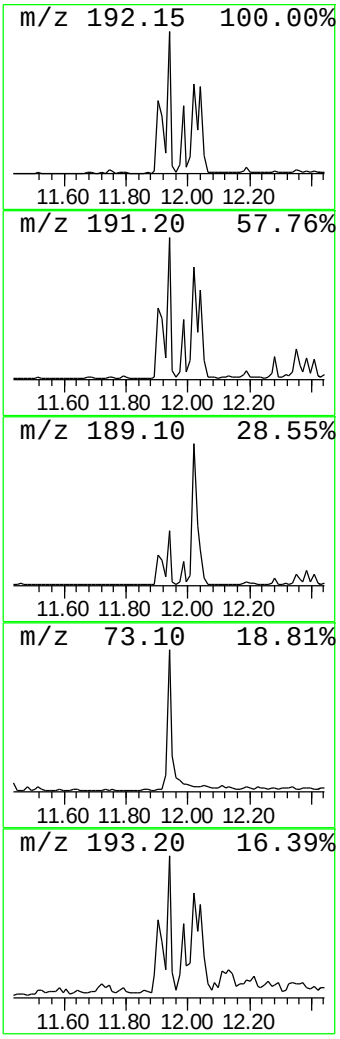
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	8.11 ng	939510	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94
5	1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	94





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ClientSampleId : SP-2-I-9(0-2)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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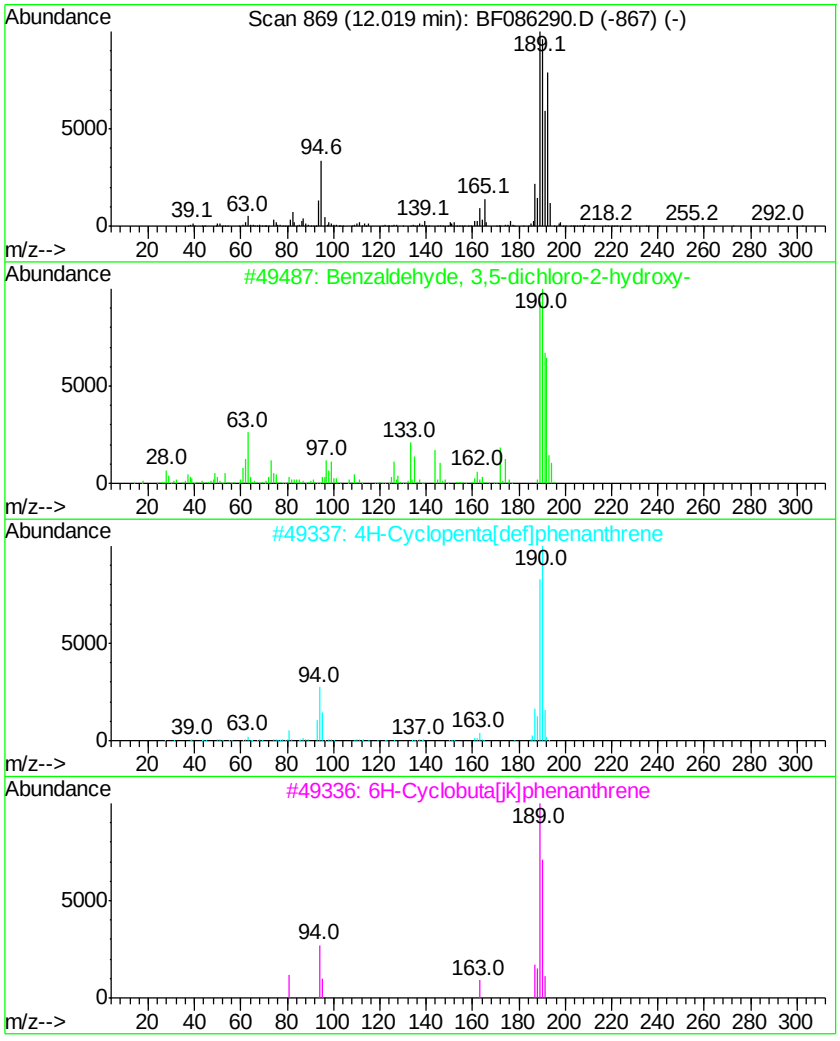
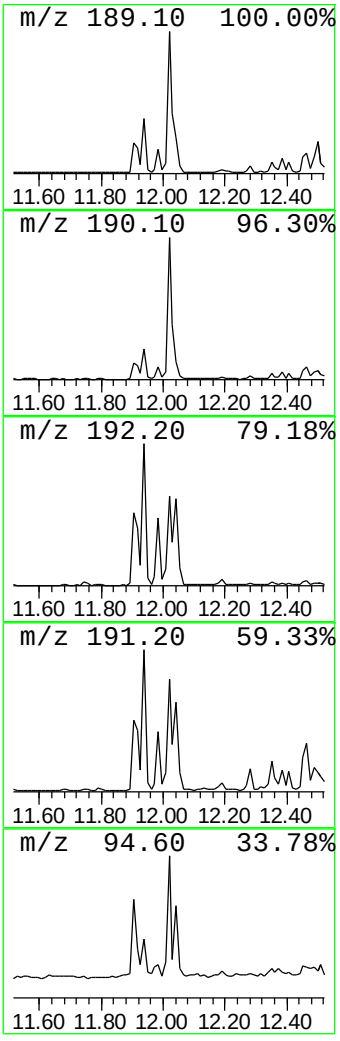
Peak Number 10 Benzaldehyde, 3,5-dichloro-... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	12.70 ng	1471120	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42





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Instrument : BNA_F
ClientSampleId : SP-2-I-9(0-2)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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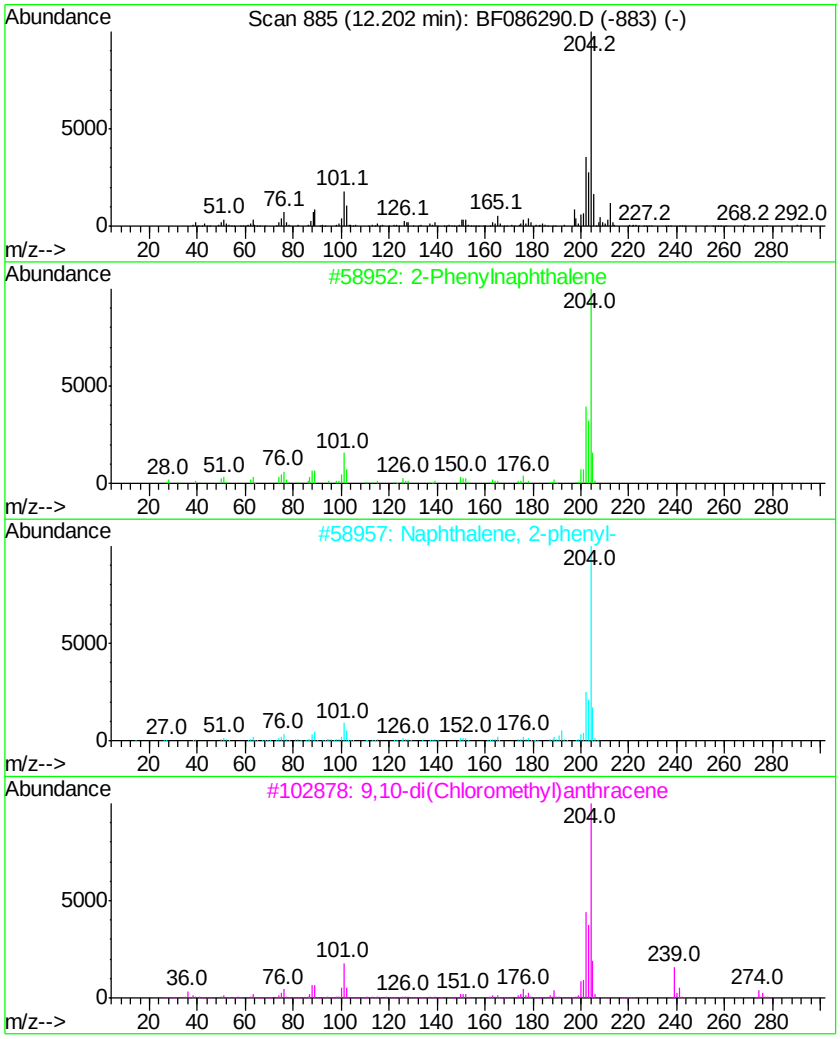
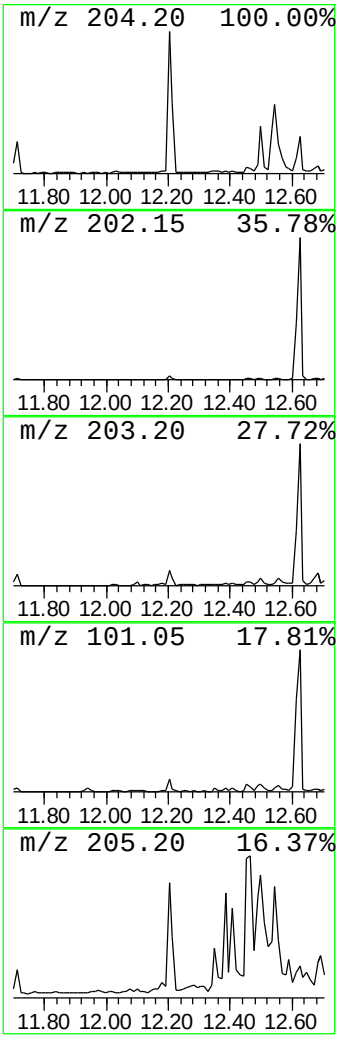
Peak Number 11 2-Phenylnaphthalene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	6.03 ng	698751	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	94
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	72
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70
5	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	64





Library Search Compound Report

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Operator : UM/SJ
Sample : H2413-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-2-I-9(0-2)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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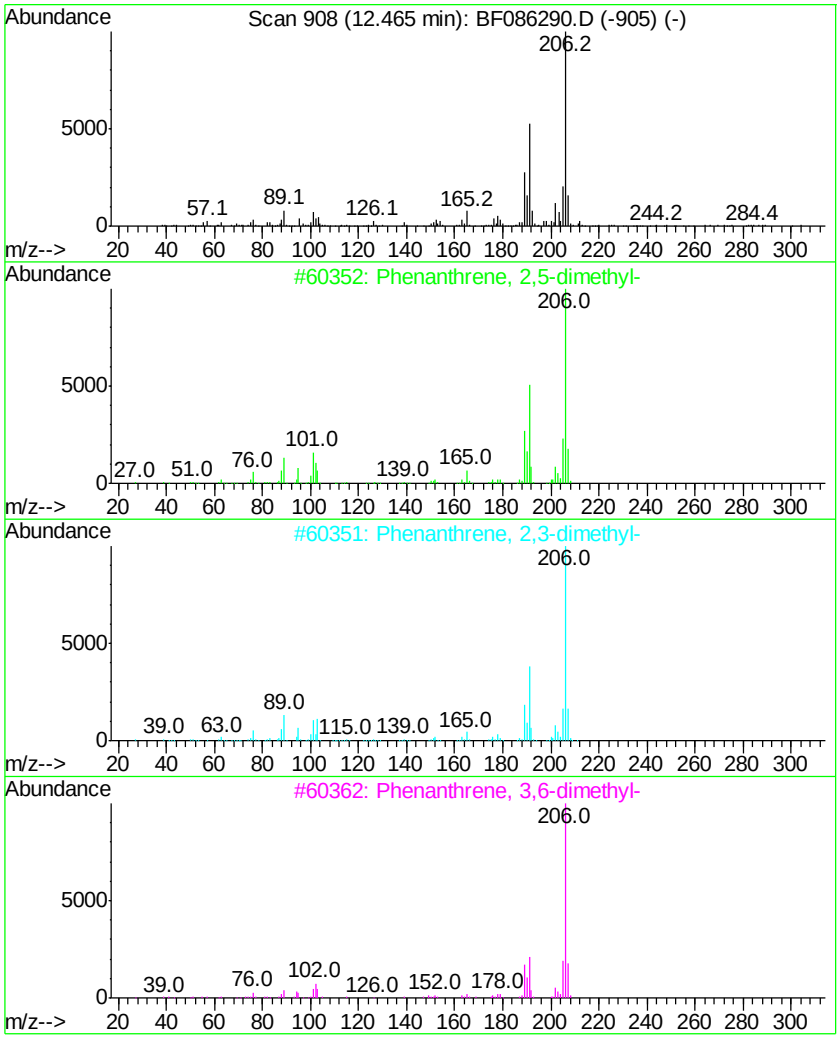
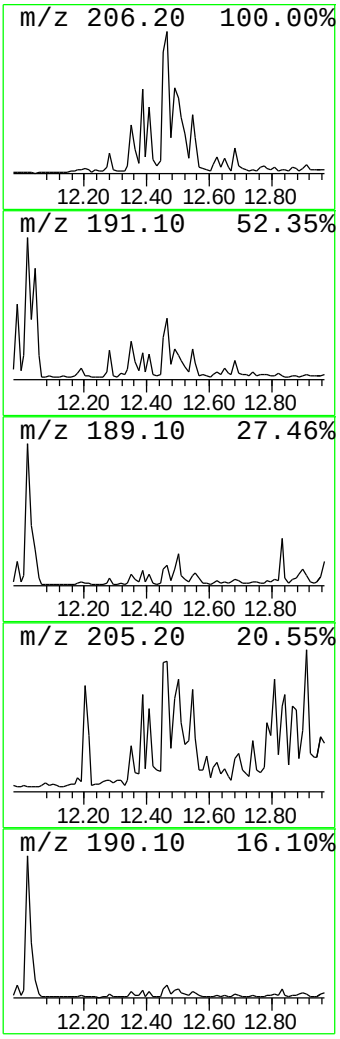
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	4.72 ng	546567	Phenanthrene-d10	11.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	90





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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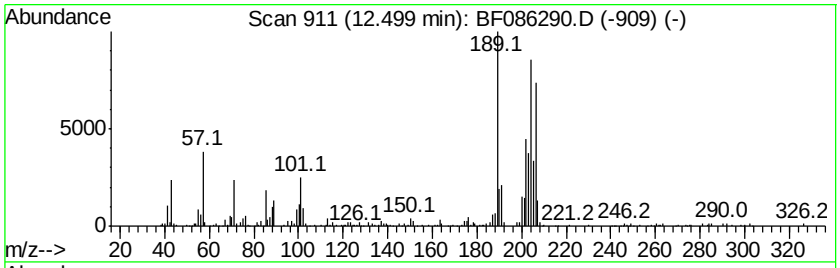
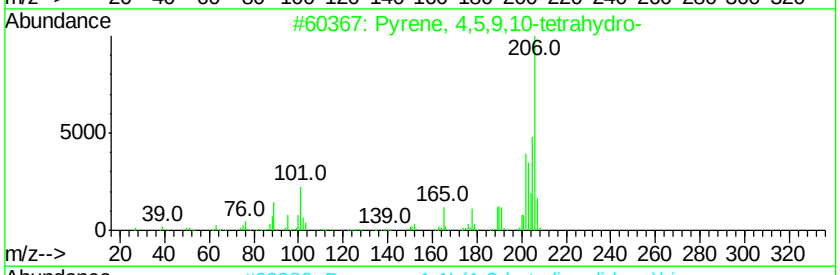
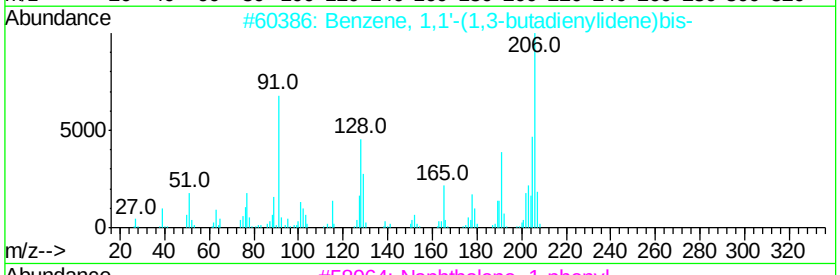
Peak Number 13 unknown12.50 Concentration Rank 19

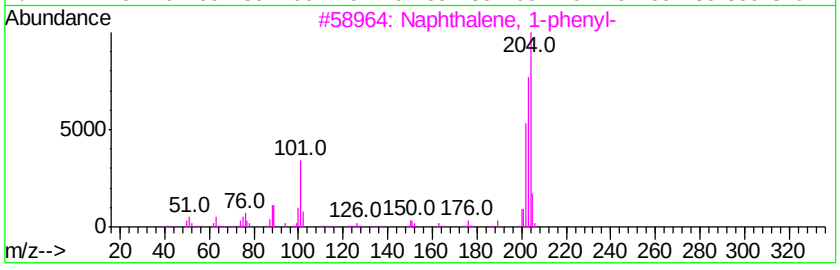
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	3.46 ng	400971	Phenanthrene-d10	11.41

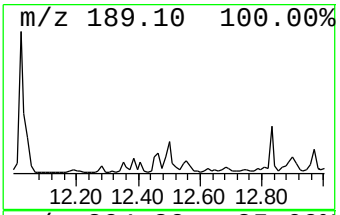
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	46
2	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	38
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	35
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	30
5	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	25

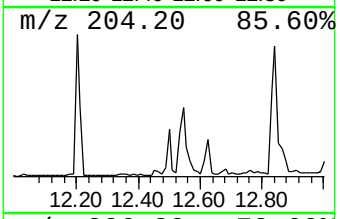


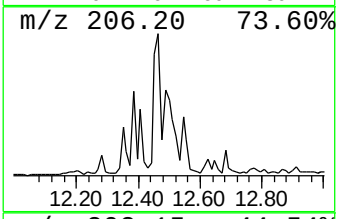


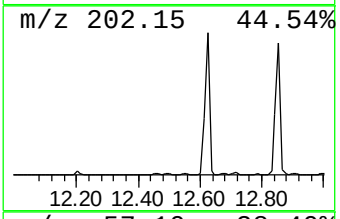


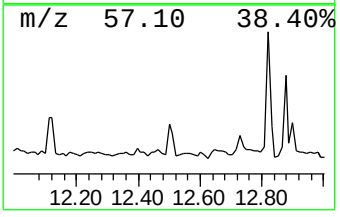












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Operator : UM/SJ
Sample : H2413-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-2-I-9(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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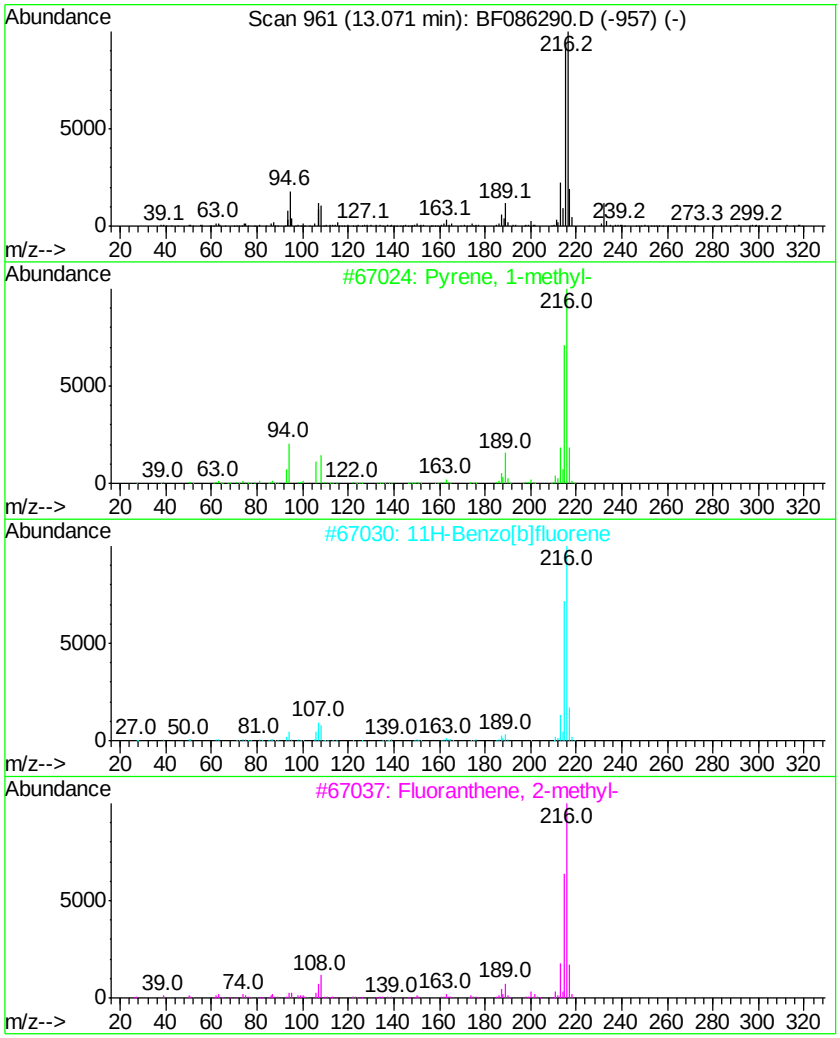
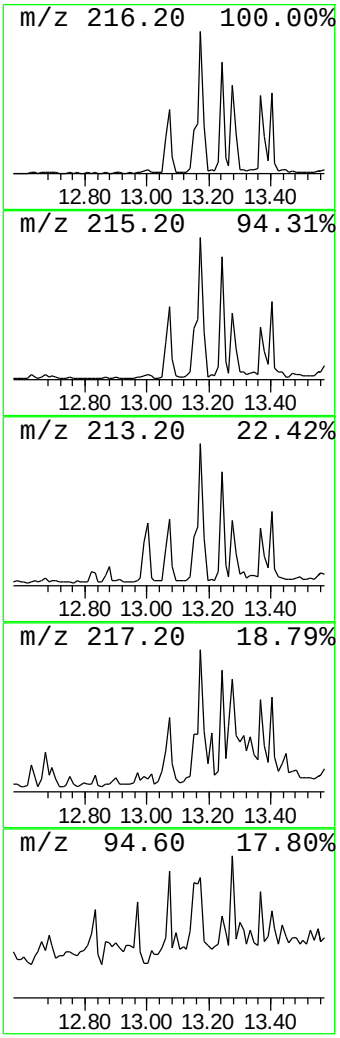
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	3.88 ng	607121	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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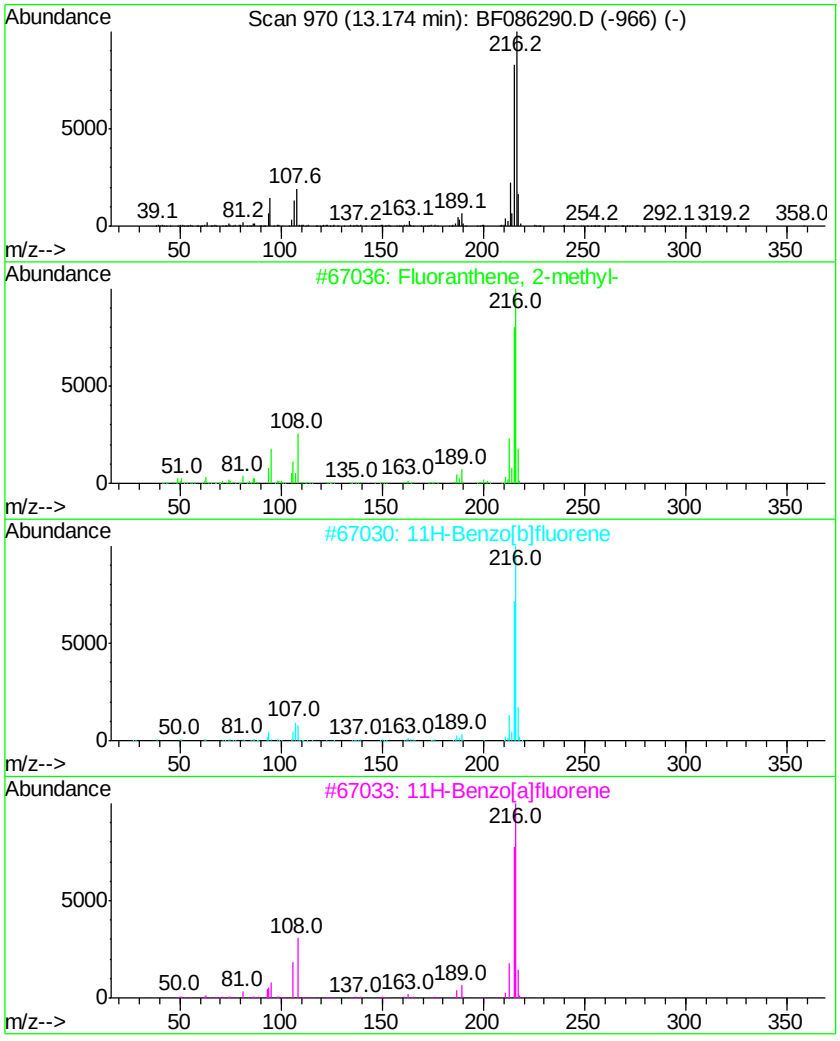
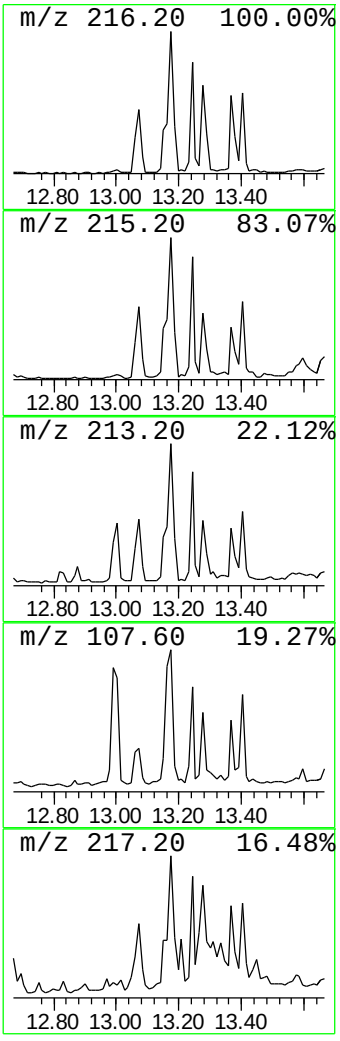
Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	6.40 ng	1002560	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90





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Misc :
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ClientSampleId : SP-2-I-9(0-2)

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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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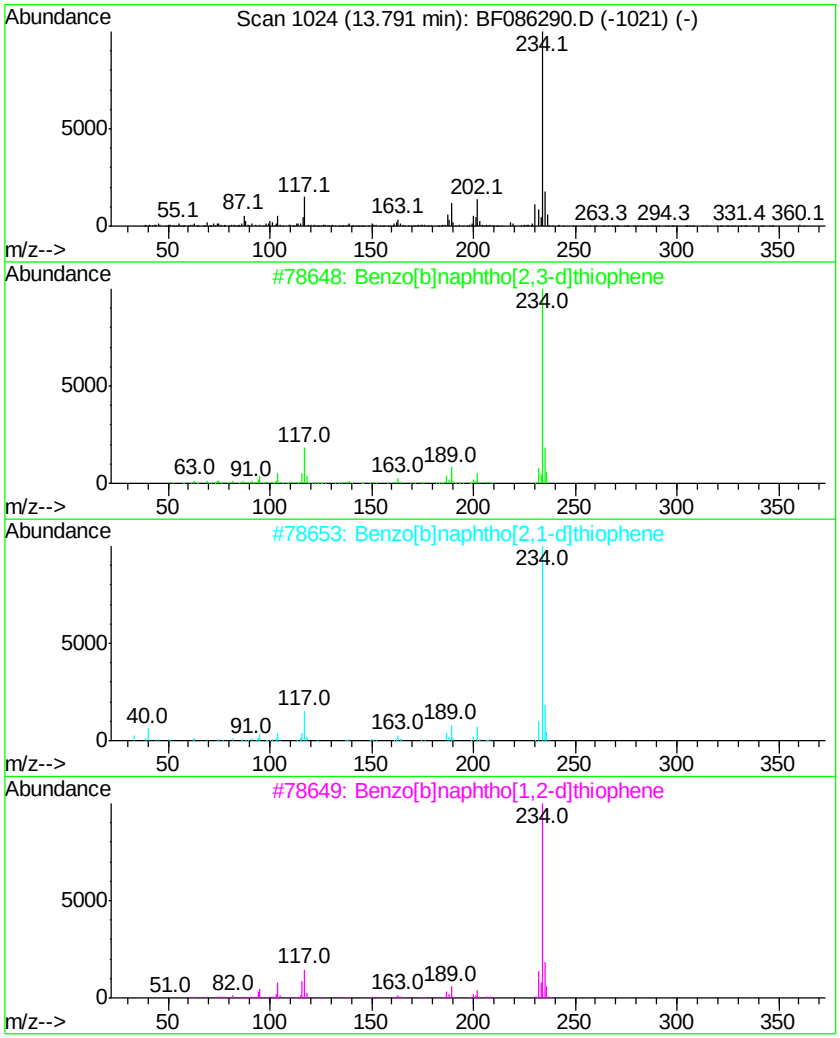
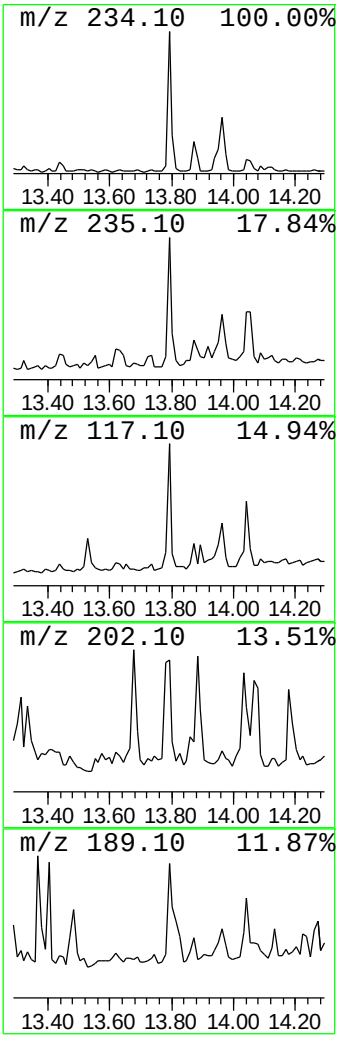
Peak Number 17 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	4.77 ng	747019	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	80
4	Anthra[1,9a,9-cd;5,10a,10-c'd']d...	234	C14H6N2O2	000201-91-2	53
5	Imidazole, 4-pentafluorophenyl-	234	C9H3F5N2	081769-58-6	50





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TIC Library : C:\DATABASE\NIST02.L
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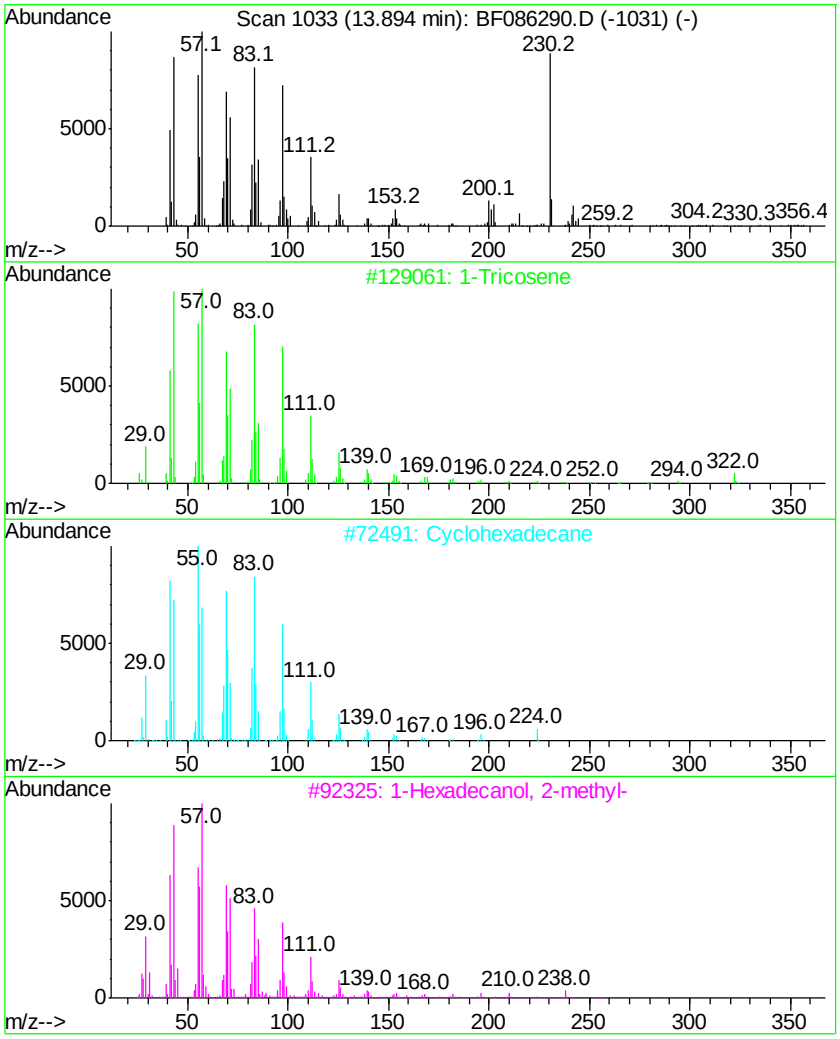
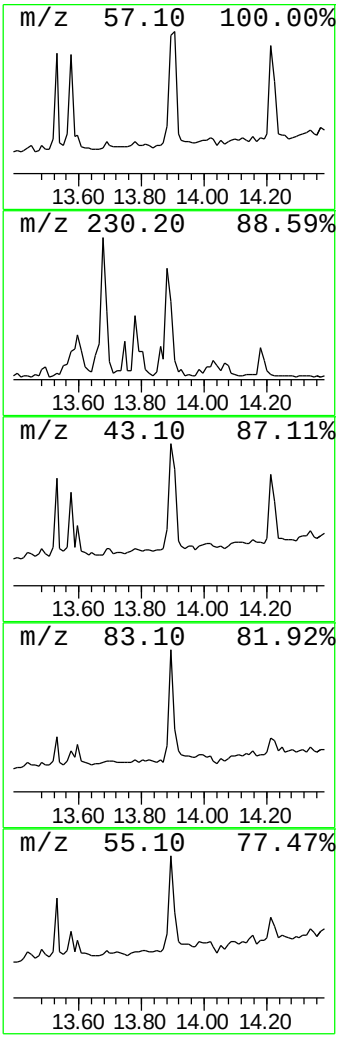
Peak Number 18 1-Tricosene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.89	5.65 ng	884231	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Tricosene	322	C23H46	018835-32-0	92
2	Cyclohexadecane	224	C16H32	000295-65-8	90
3	1-Hexadecanol, 2-methyl-	256	C17H36O	002490-48-4	64
4	Trifluoroacetic acid, n-octadecy...	366	C20H37F3O2	079392-43-1	64
5	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	64





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Data File : BF086290.D
Acq On : 18 Apr 2016 19:08
Operator : UM/SJ
Sample : H2413-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-2-I-9(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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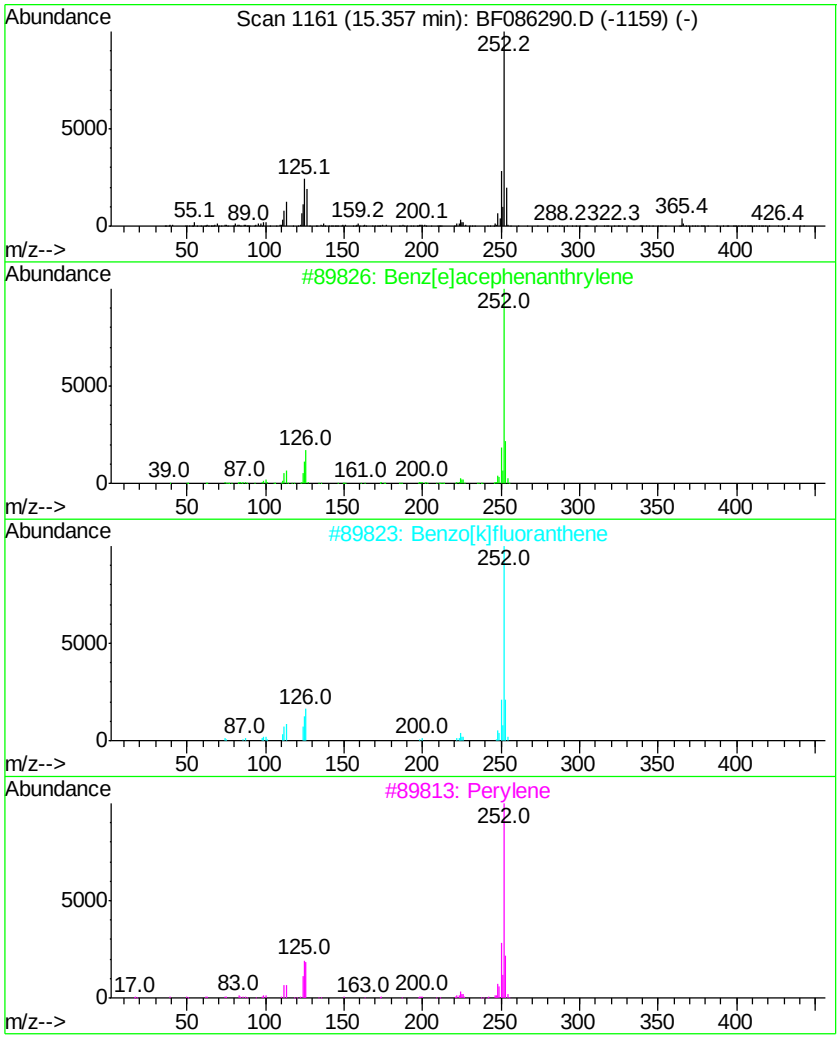
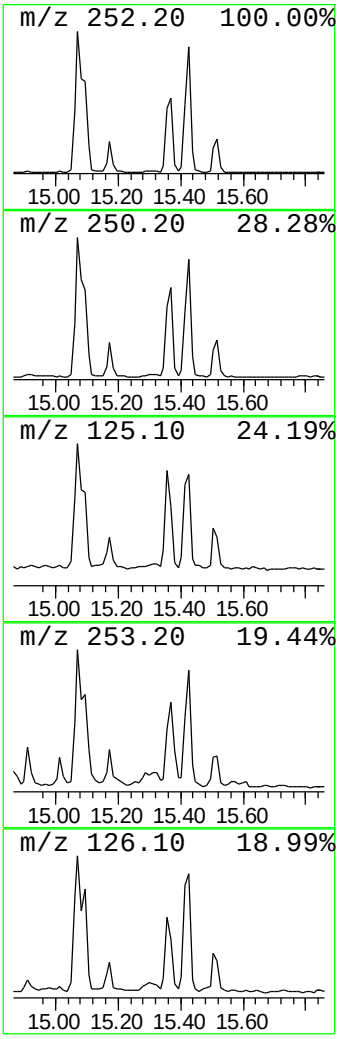
Peak Number 19 Benz[e]acephenanthrylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	20.07 ng	912739	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Perylene	252	C20H12	000198-55-0	93
4	Benzo[e]pyrene	252	C20H12	000192-97-2	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF041816\
Data File : BF086290.D
Acq On : 18 Apr 2016 19:08
Operator : UM/SJ
Sample : H2413-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-2-I-9(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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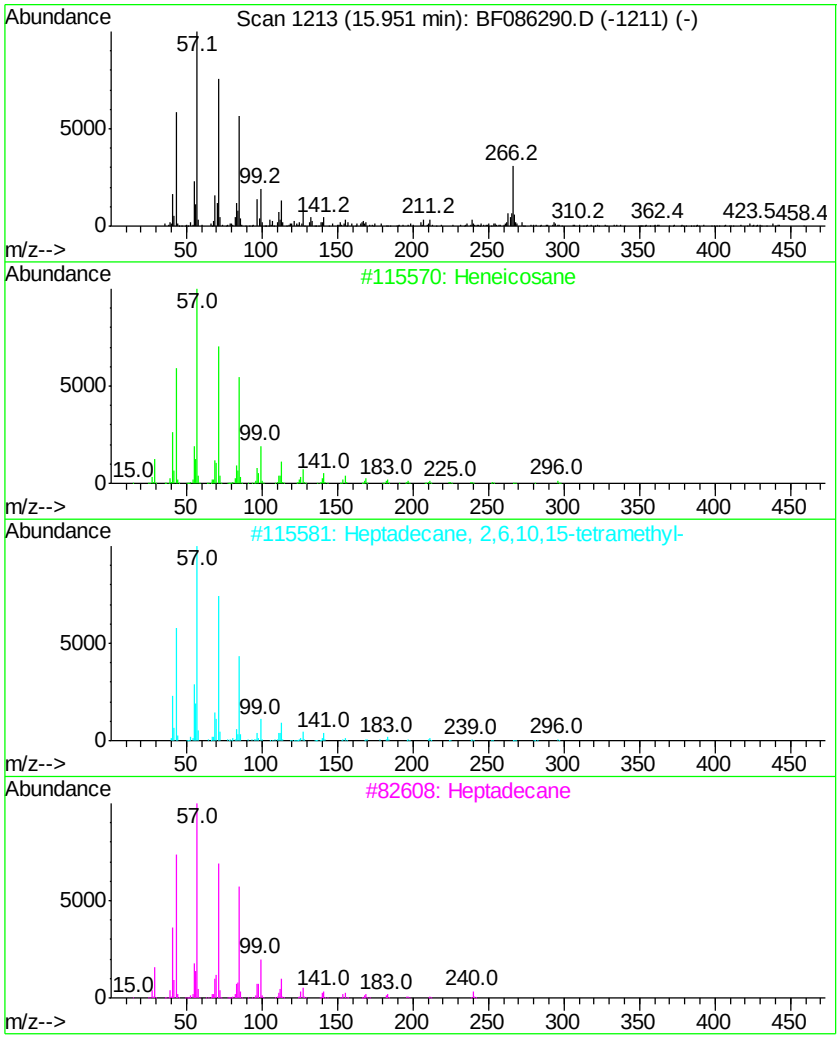
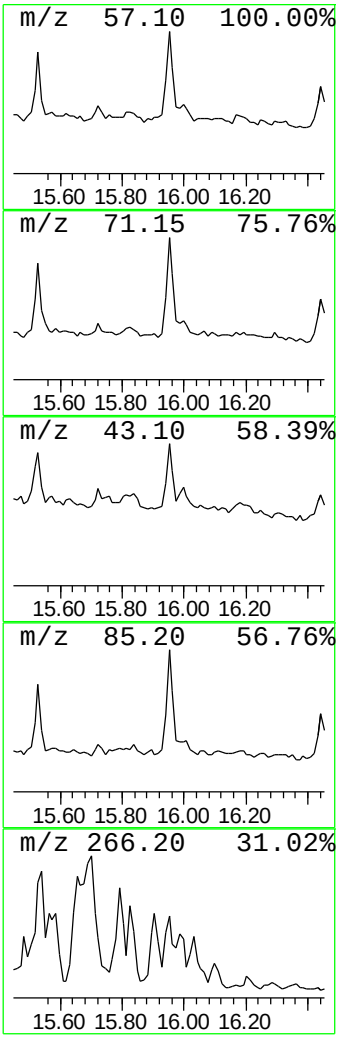
Peak Number 20 Heneicosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	7.80 ng	354835	Perylene-d12	15.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	90
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
3	Heptadecane	240	C17H36	000629-78-7	76
4	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	70
5	Tetradecane	198	C14H30	000629-59-4	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041816\
Data File : BF086290.D
Acq On : 18 Apr 2016 19:08
Operator : UM/SJ
Sample : H2413-09
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-2-I-9(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF041516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Propane, 1,1-dime...	2.19	9.5	ng	874057	1	6.89	1832760	20.0
2-Pentanone, 4-hy...	5.09	10.2	ng	931266	1	6.89	1832760	20.0
unknown6.66	6.66	84.9	ng	7776030	1	6.89	1832760	20.0
Tetradecane	10.83	4.9	ng	567938	4	11.41	2317010	20.0
Dibenzothiophene	11.31	6.2	ng	716322	4	11.41	2317010	20.0
N,N'-Diethyl-N,N'...	11.77	3.3	ng	377069	4	11.41	2317010	20.0
Anthracene, 2-met...	11.91	6.0	ng	696319	4	11.41	2317010	20.0
Phenanthrene, 2-m...	11.94	8.1	ng	939510	4	11.41	2317010	20.0
Benzaldehyde, 3,5...	12.02	12.7	ng	1471120	4	11.41	2317010	20.0
2-Phenylnaphthalene	12.20	6.0	ng	698751	4	11.41	2317010	20.0
Phenanthrene, 2,5...	12.47	4.7	ng	546567	4	11.41	2317010	20.0
unknown12.50	12.50	3.5	ng	400971	4	11.41	2317010	20.0
Pyrene, 1-methyl-	13.07	3.9	ng	607121	5	14.04	3131890	20.0
Fluoranthene, 2-m...	13.17	6.4	ng	1002560	5	14.04	3131890	20.0
Benzo[b]naphtho[2...	13.79	4.8	ng	747019	5	14.04	3131890	20.0
1-Tricosene	13.89	5.7	ng	884231	5	14.04	3131890	20.0
Benz[e]acephenant...	15.36	20.1	ng	912739	6	15.48	909717	20.0
Heneicosane	15.95	7.8	ng	354835	6	15.48	909717	20.0