LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
Data File : BF086911.D
Acq On : 12 May 2016 2:24
Operator : UM/SJ
Sample : H2965-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-13(5.5-6)

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-BF050916.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	1.644	3	5	13	rVB	141410	267249	7.40%	0.443%
2	1.747	13	14	33	rVB	1055051	2218785	61.45%	3.678%
3	4.044	213	215	220	rBV2	17348	48183	1.33%	0.080%
4	4.776	277	279	293	rBV	139874	237767	6.59%	0.394%
5	5.221	316	318	321	rBV	2812727	3200757	88.65%	5.305%
6	6.296	410	412	415	rBV	2568708	3223538	89.28%	5.343%
7	6.410	419	422	424	rVV	2933848	3610684	100.00%	5.985%
8	6.467	425	427	429	rVV3	72009	132049	3.66%	0.219%
9	6.627	439	441	445	rVB	841674	913111	25.29%	1.513%
10	6.787	453	455	456	rBV	3080969	2722472	75.40%	4.512%
11	6.890	462	464	468	rVB	88057	119664	3.31%	0.198%
12	7.210	489	492	494	rBV	2042765	2426074	67.19%	4.021%
13	7.245	494	495	497	rVV	55584	54481	1.51%	0.090%
14	7.336	501	503	507	rBV3	49973	94182	2.61%	0.156%
15	7.439	510	512	514	rVB2	38529	47492	1.32%	0.079%
16	7.496	514	517	519	rBV2	46152	62201	1.72%	0.103%
17	7.679	529	533	536	rBV4	27526	80272	2.22%	0.133%
18	7.919	552	554	555	rBV	1353669	1178760	32.65%	1.954%
19	7.987	559	560	563	rBV	159014	181373	5.02%	0.301%
20	8.205	576	579	581	rBV3	43989	67638	1.87%	0.112%
21	8.353	590	592	594	rBV	97672	112955	3.13%	0.187%
22	8.525	605	607	609	rBV	121584	119958	3.32%	0.199%
23	8.627	613	616	620	rVB2	73069	119229	3.30%	0.198%
24	8.730	623	625	627	rVB	109022	112274	3.11%	0.186%
25	8.948	643	644	646	rVB	56079	57821	1.60%	0.096%
26	9.005	646	649	651	rBV	2542033	3132640	86.76%	5.192%
27	9.085	652	656	658	rBV	189584	247661	6.86%	0.410%
28	9.256	669	671	673	rBV	56049	82882	2.30%	0.137%
29	9.336	676	678	679	rVV	89931	137749	3.82%	0.228%
30	9.370	679	681	682	rVV2	115112	142048	3.93%	0.235%
31	9.405	682	684	685	rVV	305762	350828	9.72%	0.581%
32	9.428	685	686	687	rVV	70797	70698	1.96%	0.117%
33	9.462	687	689	690	rVB2	51073	59425	1.65%	0.098%
34	9.530	693	695	698	rVV	143629	146565	4.06%	0.243%

LSC Area Percent Report

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Operator : UM/SJ
Sample : H2965-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-13(5.5-6)

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-BF050916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.576	698	699	701	rVB	88064	71800	1.99%	0.119%
36	9.610	701	702	704	rBV	300811	296092	8.20%	0.491%
37	9.668	704	707	709	rVV	1123917	1144521	31.70%	1.897%
38	9.702	709	710	712	rVV	435398	335385	9.29%	0.556%
39	9.782	715	717	719	rVB3	47024	76001	2.10%	0.126%
40	9.828	719	721	723	rBV	150910	201864	5.59%	0.335%
41	9.873	723	725	726	rVV	268142	228911	6.34%	0.379%
42	9.930	729	730	732	rVB2	81627	91595	2.54%	0.152%
43	9.988	732	735	740	rBV3	70644	199810	5.53%	0.331%
44	10.068	740	742	744	rVV3	61984	114009	3.16%	0.189%
45	10.113	744	746	748	rVV	430405	362486	10.04%	0.601%
46	10.159	748	750	753	rVB4	41443	88457	2.45%	0.147%
47	10.216	753	755	758	rBV2	142585	216281	5.99%	0.358%
48	10.273	758	760	763	rBV3	66086	117449	3.25%	0.195%
49	10.331	763	765	767	rVV	216619	264250	7.32%	0.438%
50	10.376	767	769	771	rVB2	92766	139462	3.86%	0.231%
51	10.411	771	772	773	rBV	59107	61774	1.71%	0.102%
52	10.456	773	776	778	rVV	1814917	1766958	48.94%	2.929%
53	10.491	778	779	782	rVB3	56335	89471	2.48%	0.148%
54	10.582	785	787	791	rVV	442250	581506	16.11%	0.964%
55	10.753	800	802	803	rBV	41473	61872	1.71%	0.103%
56	10.788	803	805	808	rVB2	102305	150007	4.15%	0.249%
57	10.845	808	810	811	rVB2	42340	57680	1.60%	0.096%
58	10.913	813	816	818	rBV3	53917	100468	2.78%	0.167%
59	10.959	818	820	822	rVB	65996	66054	1.83%	0.109%
60	11.005	822	824	825	rBV	79120	113559	3.15%	0.188%
61	11.028	825	826	828	rBV2	202034	274342	7.60%	0.455%
62	11.062	828	829	830	rVB	154865	106160	2.94%	0.176%
63	11.165	834	838	840	rBV2	1203387	2030014	56.22%	3.365%
64	11.222	840	843	845	rVB	389286	378261	10.48%	0.627%
65	11.256	845	846	848	rBV	65996	84214	2.33%	0.140%
66	11.405	855	859	861	rBV3	102836	255193	7.07%	0.423%
67	11.451	861	863	870	rVB5	138498	277461	7.68%	0.460%
68	11.554	870	872	874	rBV3	45224	64013	1.77%	0.106%
69	11.645	878	880	881	rBV	264410	252031	6.98%	0.418%
70	11.668	881	882	886	rVV2	165642	382658	10.60%	0.634%
71	11.759	888	890	895	rVB2	351524	628805	17.42%	1.042%

LSC Area Percent Report

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Sample : H2965-01
Misc :
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Instrument : BNA_F
ClientSampleId : E-13(5.5-6)

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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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	11.862	895	899	903	rBV4	136456	366167	10.14%	0.607%
73	11.942	904	906	907	rBV	176048	139635	3.87%	0.231%
74	12.091	917	919	920	rVB	133975	106034	2.94%	0.176%
75	12.148	920	924	926	rVB3	87187	158722	4.40%	0.263%
76	12.194	926	928	930	rBV	245470	323708	8.97%	0.537%
77	12.285	934	936	938	rBV2	129414	155458	4.31%	0.258%
78	12.354	940	942	944	rBV	2370103	2192437	60.72%	3.634%
79	12.399	944	946	949	rVV4	101035	156585	4.34%	0.260%
80	12.582	959	962	964	rBV	2145766	2520028	69.79%	4.177%
81	12.696	971	972	973	rBV	109949	108897	3.02%	0.180%
82	12.731	973	975	977	rVV	2507079	2336221	64.70%	3.872%
83	12.902	988	990	992	rVB	290812	484956	13.43%	0.804%
84	12.971	994	996	998	rVV	262085	276824	7.67%	0.459%
85	13.017	998	1000	1003	rVV2	225690	405200	11.22%	0.672%
86	13.097	1005	1007	1009	rBV	154260	203010	5.62%	0.336%
87	13.519	1042	1044	1046	rBV	241480	409465	11.34%	0.679%
88	13.771	1063	1066	1068	rBV2	1485353	2579986	71.45%	4.276%
89	13.805	1068	1069	1070	rVB	780841	557007	15.43%	0.923%
90	13.977	1077	1084	1090	rVB5	552253	2571494	71.22%	4.262%
91	14.159	1098	1100	1102	rBV	207853	224015	6.20%	0.371%
92	14.228	1104	1106	1109	rVV2	337654	497703	13.78%	0.825%
93	14.777	1151	1154	1159	rBV	768653	1522405	42.16%	2.523%
94	15.040	1174	1177	1179	rVB	361562	544171	15.07%	0.902%
95	15.085	1179	1181	1184	rVV	684328	843658	23.37%	1.398%
96	15.142	1184	1186	1192	rVB2	511074	855274	23.69%	1.418%
97	15.725	1235	1237	1243	rBV3	262566	652556	18.07%	1.082%
98	16.091	1267	1269	1279	rVB2	316995	752220	20.83%	1.247%
99	16.400	1294	1296	1300	rVB	269984	469954	13.02%	0.779%
100	16.777	1327	1329	1336	rVB	187561	408230	11.31%	0.677%

Sum of corrected areas: 60332359

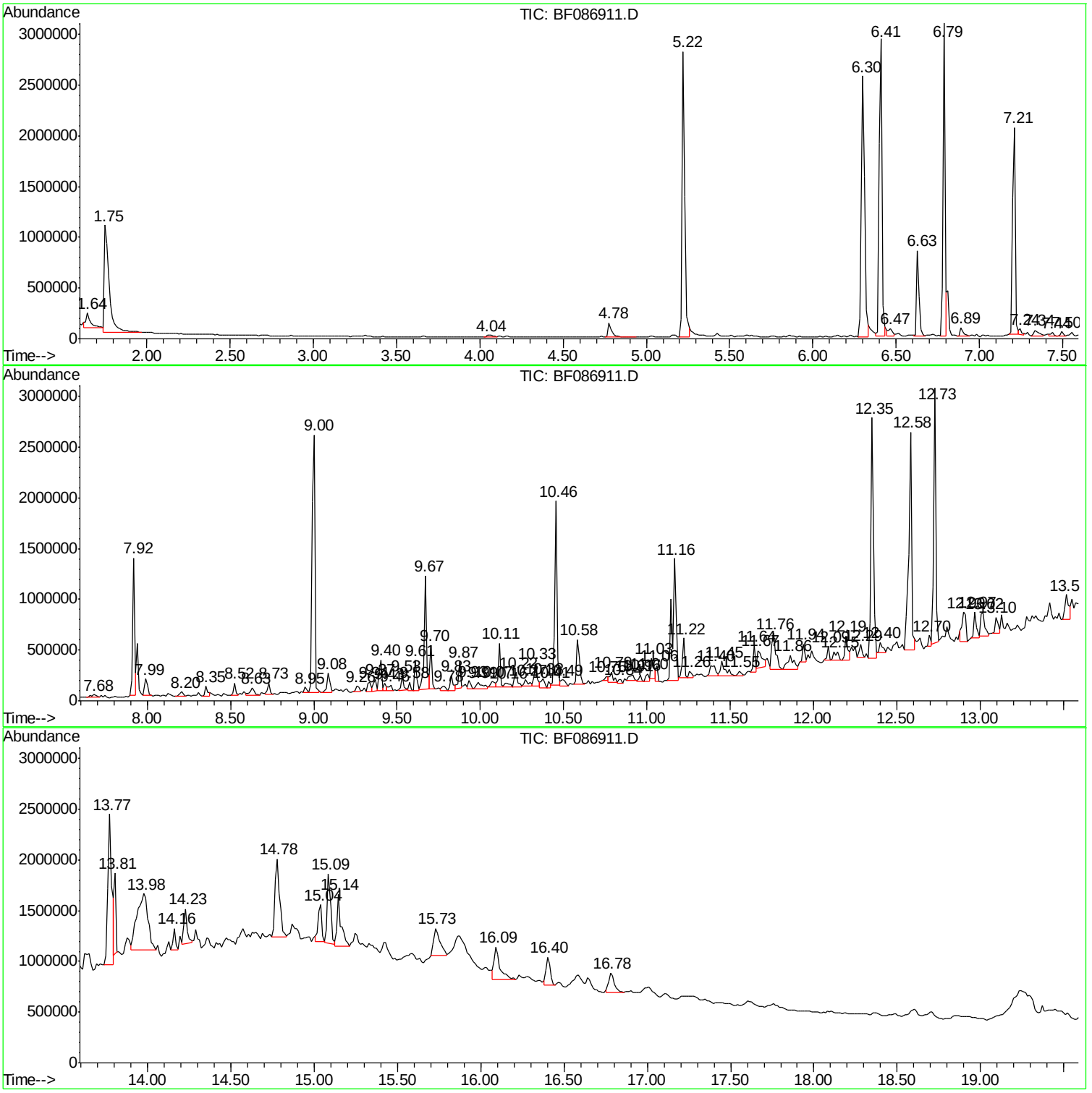
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
Data File : BF086911.D
Acq On : 12 May 2016 2:24
Operator : UM/SJ
Sample : H2965-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-13(5.5-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
Data File : BF086911.D
Acq On : 12 May 2016 2:24
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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

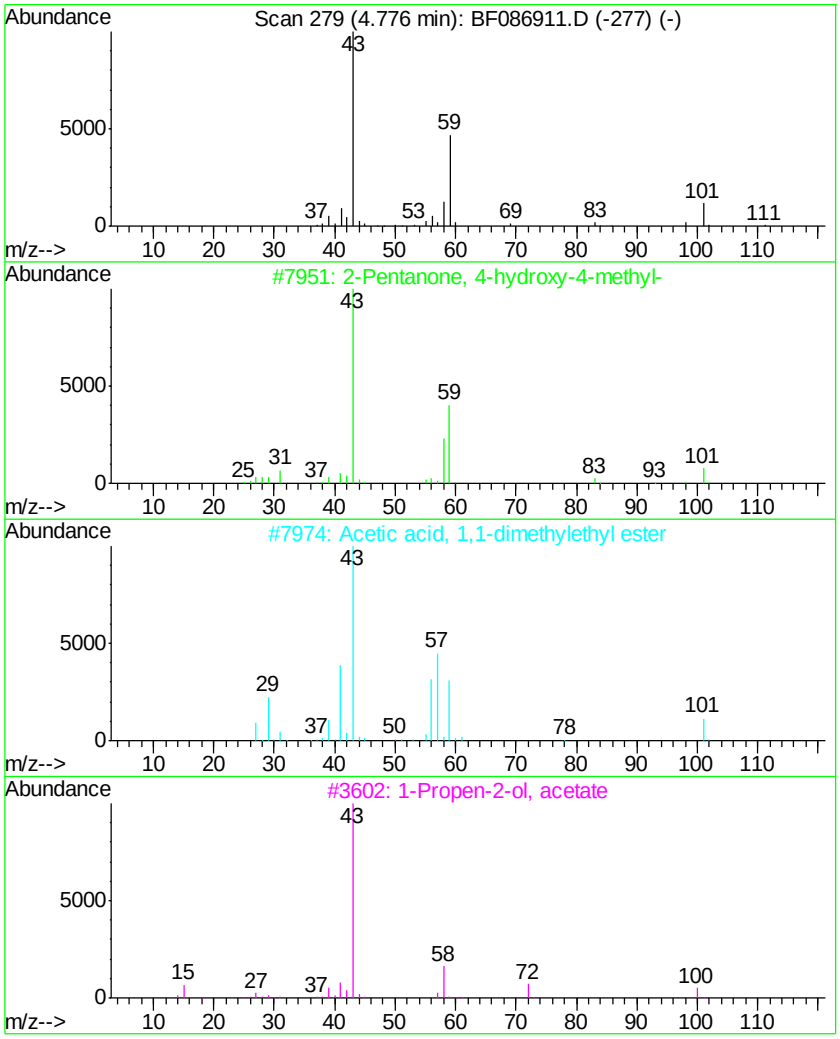
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

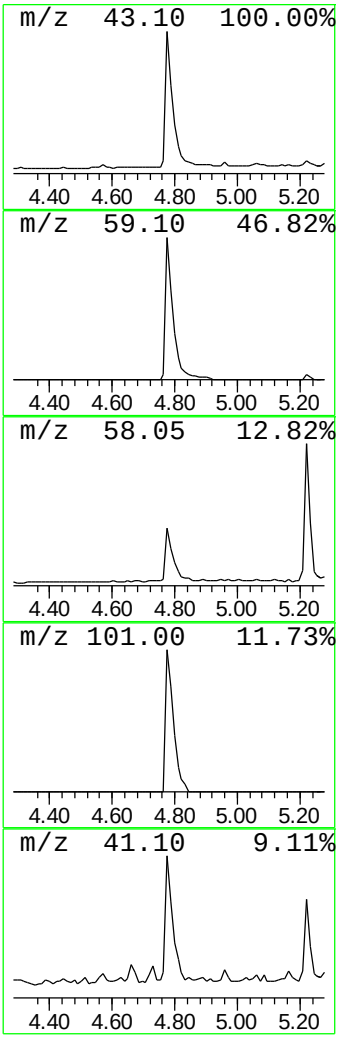
****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.78	5.21 ng	237767	1,4-Dichlorobenzene-d4	6.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	Butane	58	C4H10	000106-97-8	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
Data File : BF086911.D
Acq On : 12 May 2016 2:24
Operator : UM/SJ
Sample : H2965-01
Misc :
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Instrument : BNA_F
ClientSampleId : E-13(5.5-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

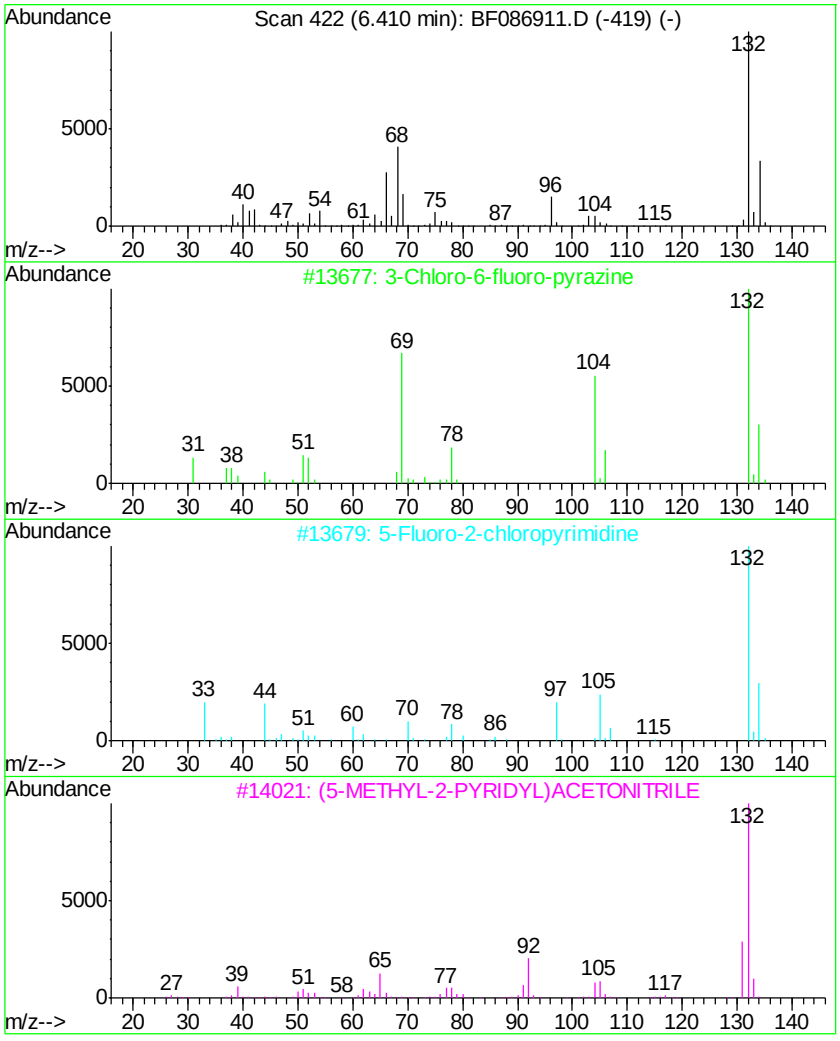
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

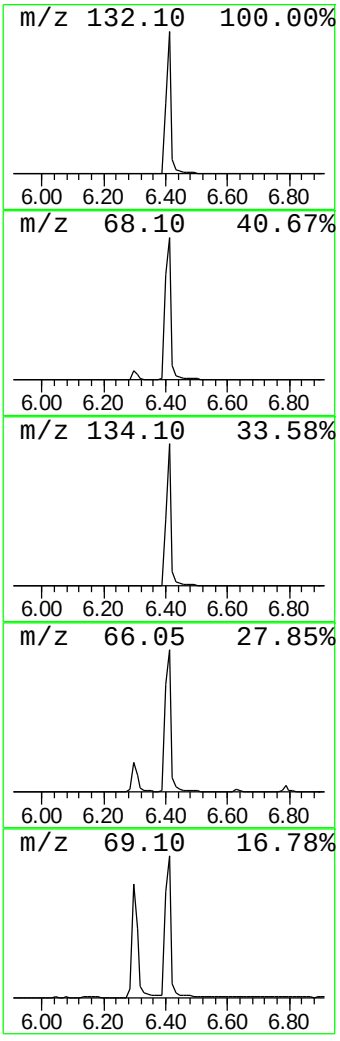
****

Peak Number 4 unknown6.41 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.41	79.09 ng	3610680	1,4-Dichlorobenzene-d4	6.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10
4	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





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Instrument : BNA_F
ClientSampleId : E-13(5.5-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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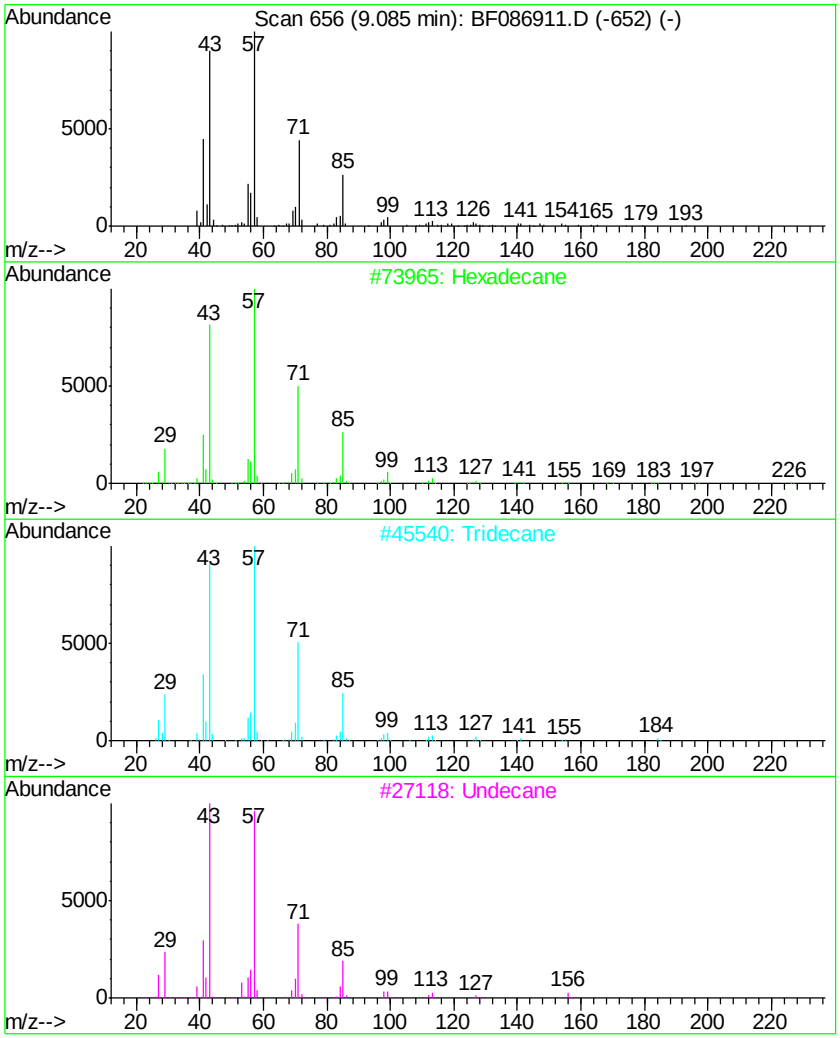
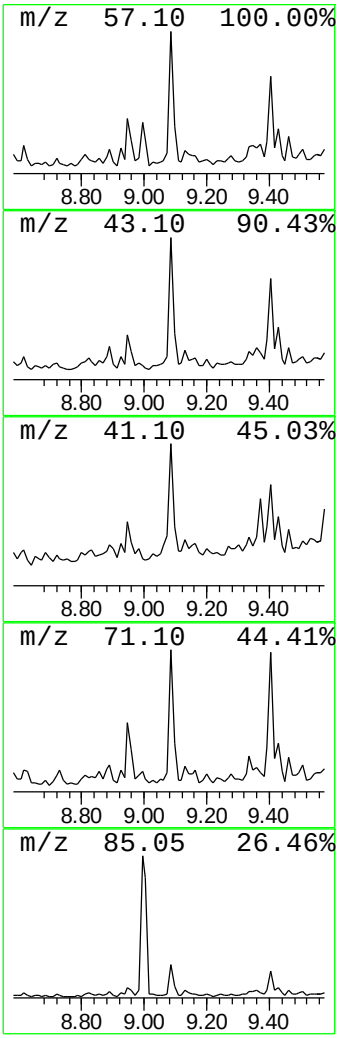
Peak Number 6 Hexadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.08	4.33 ng	247661	Acenaphthene-d10	9.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Tridecane	184	C13H28	000629-50-5	86
3	Undecane	156	C11H24	001120-21-4	86
4	Tetradecane	198	C14H30	000629-59-4	80
5	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	78





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
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Acq On : 12 May 2016 2:24
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Sample : H2965-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-13(5.5-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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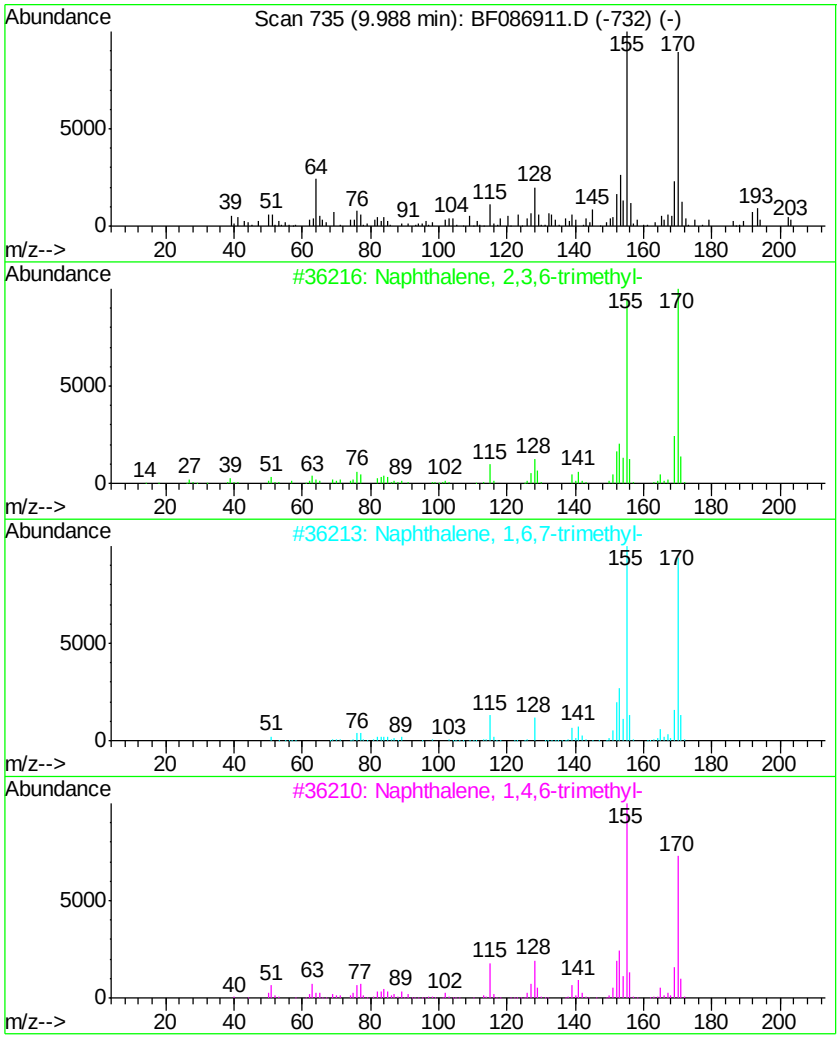
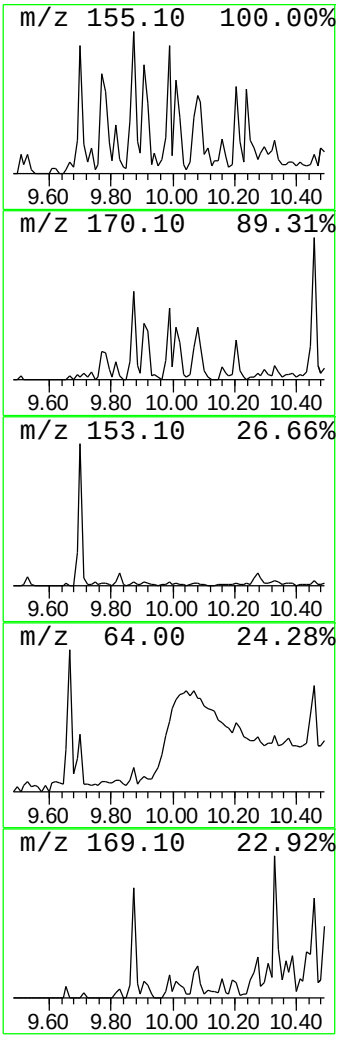
Peak Number 8 Naphthalene, 2,3,6-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.99	3.49 ng	199810	Acenaphthene-d10	9.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	89
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	81





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Data File : BF086911.D
Acq On : 12 May 2016 2:24
Operator : UM/SJ
Sample : H2965-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-13(5.5-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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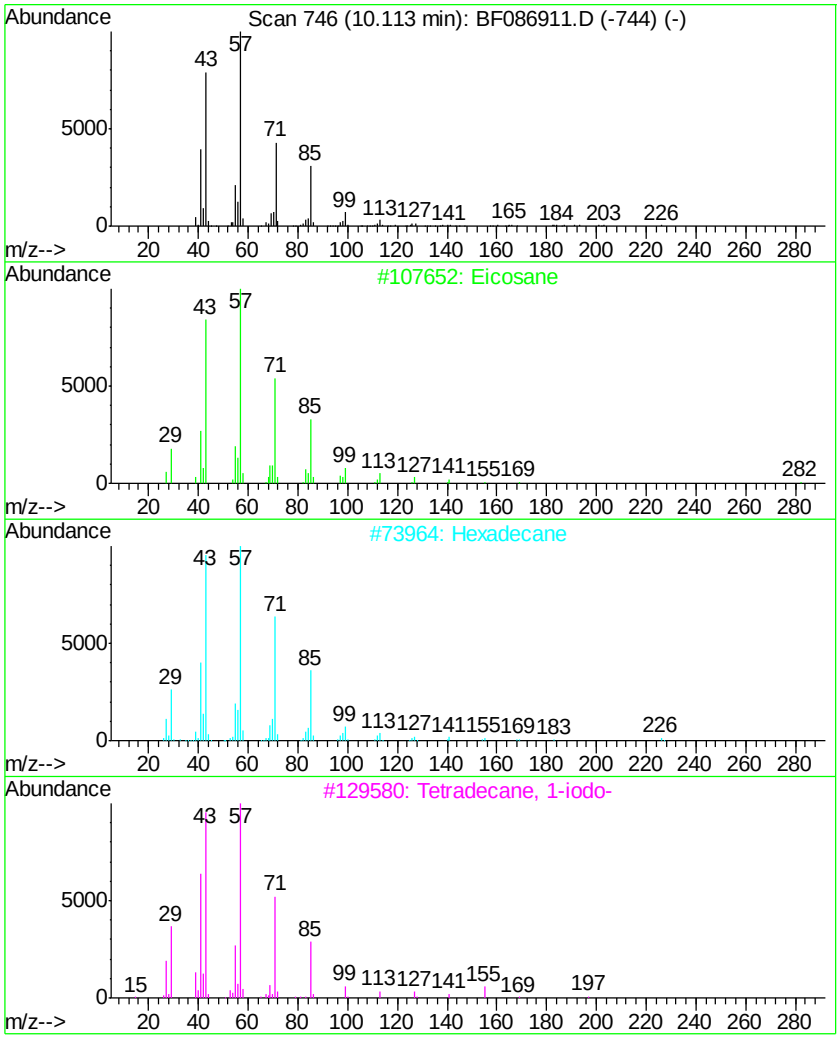
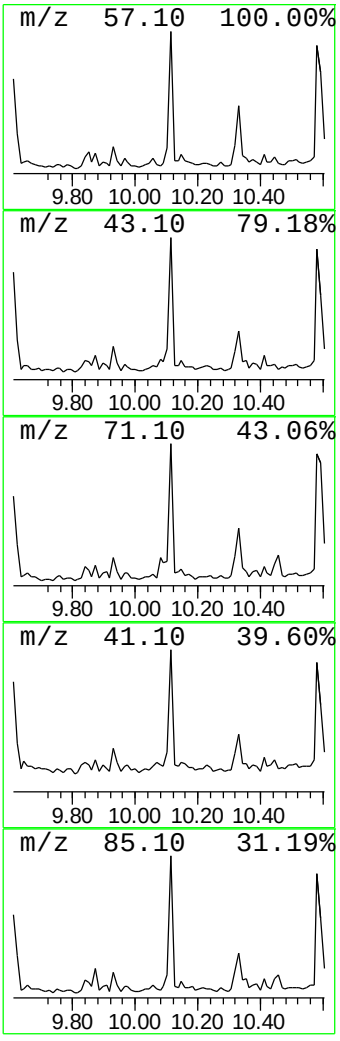
Peak Number 9 Eicosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.11	6.33 ng	362486	Acenaphthene-d10	9.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	90
2	Hexadecane	226	C16H34	000544-76-3	86
3	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	80
4	Tridecane	184	C13H28	000629-50-5	78
5	Nonane, 5-butyl-	184	C13H28	017312-63-9	76





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051116\
Data File : BF086911.D
Acq On : 12 May 2016 2:24
Operator : UM/SJ
Sample : H2965-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-13(5.5-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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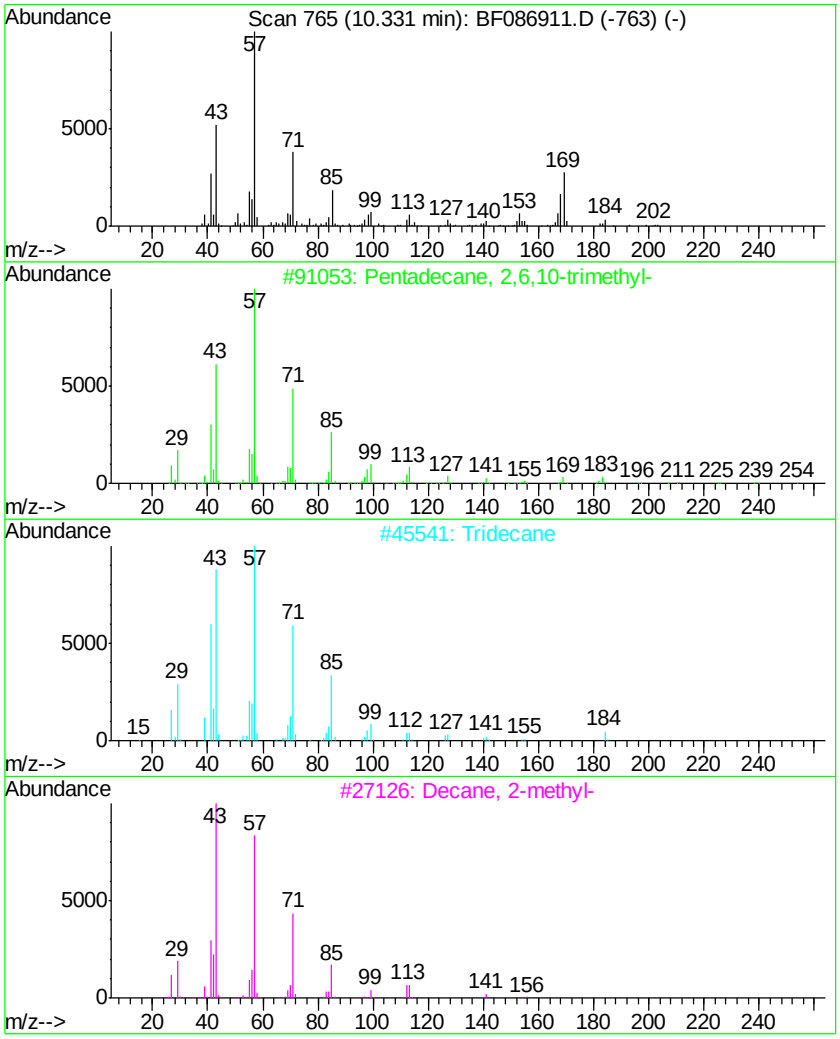
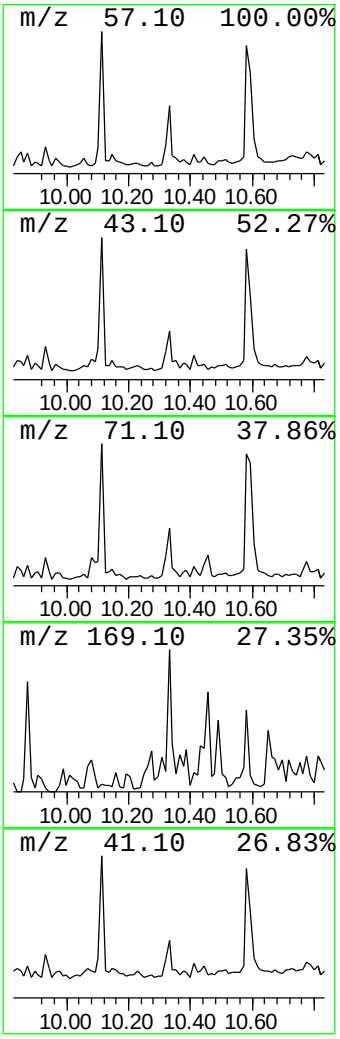
Peak Number 10 unknown10.33 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.33	4.62 ng	264250	Acenaphthene-d10	9.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	46
2	Tridecane	184	C13H28	000629-50-5	46
3	Decane, 2-methyl-	156	C11H24	006975-98-0	45
4	Octane, 2-methyl-	128	C9H20	003221-61-2	43
5	3-Hexanone, 2,4-dimethyl-	128	C8H16O	018641-70-8	35





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Acq On : 12 May 2016 2:24
Operator : UM/SJ
Sample : H2965-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-13(5.5-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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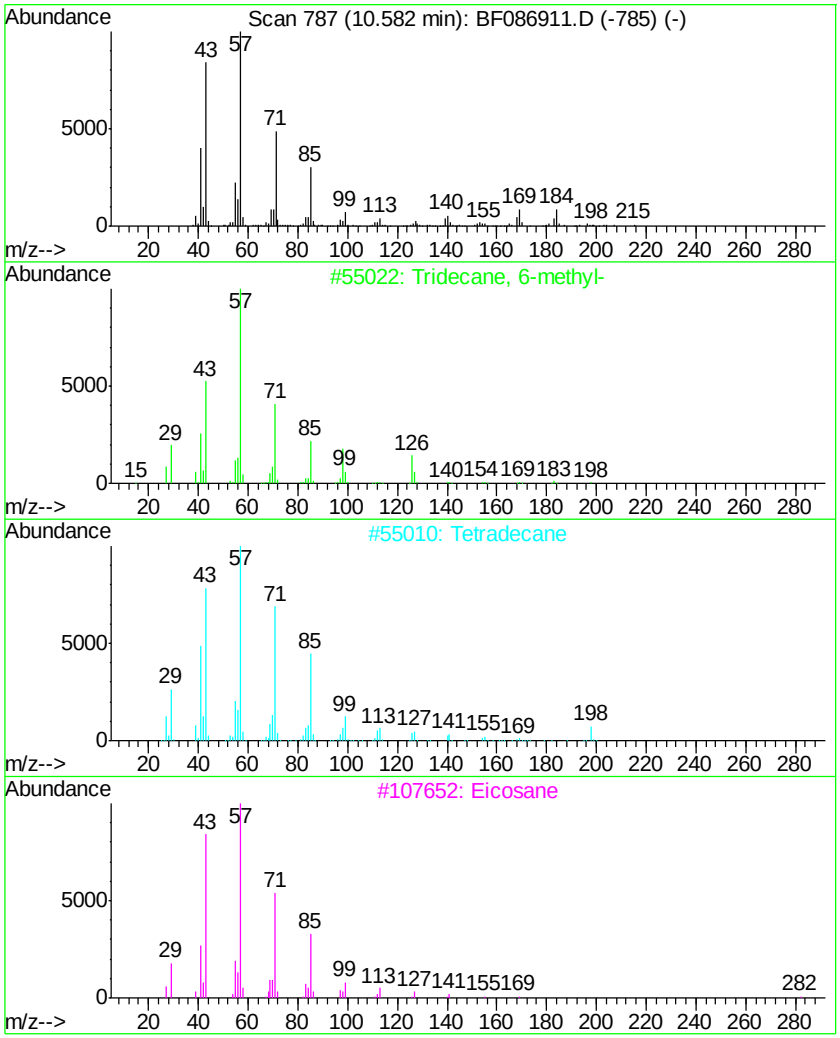
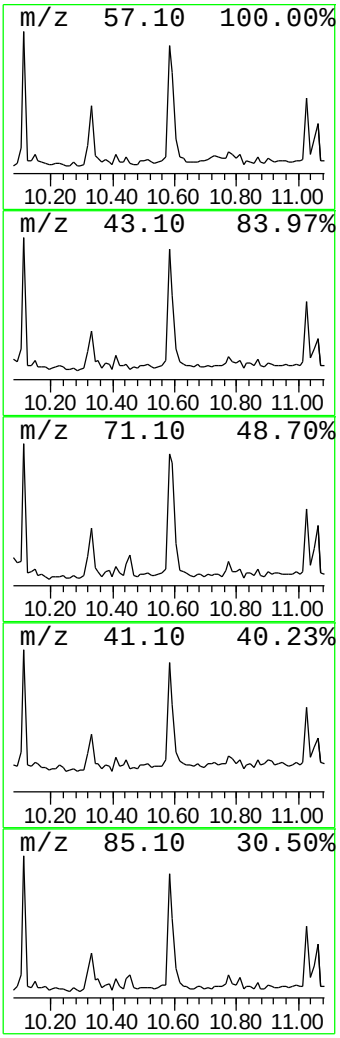
Peak Number 11 Tridecane, 6-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.58	5.73 ng	581506	Phenanthrene-d10	11.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 6-methyl-	198	C14H30	013287-21-3	89
2	Tetradecane	198	C14H30	000629-59-4	86
3	Eicosane	282	C20H42	000112-95-8	70
4	Undecane, 5-methyl-	170	C12H26	001632-70-8	68
5	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	68





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Sample : H2965-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-13(5.5-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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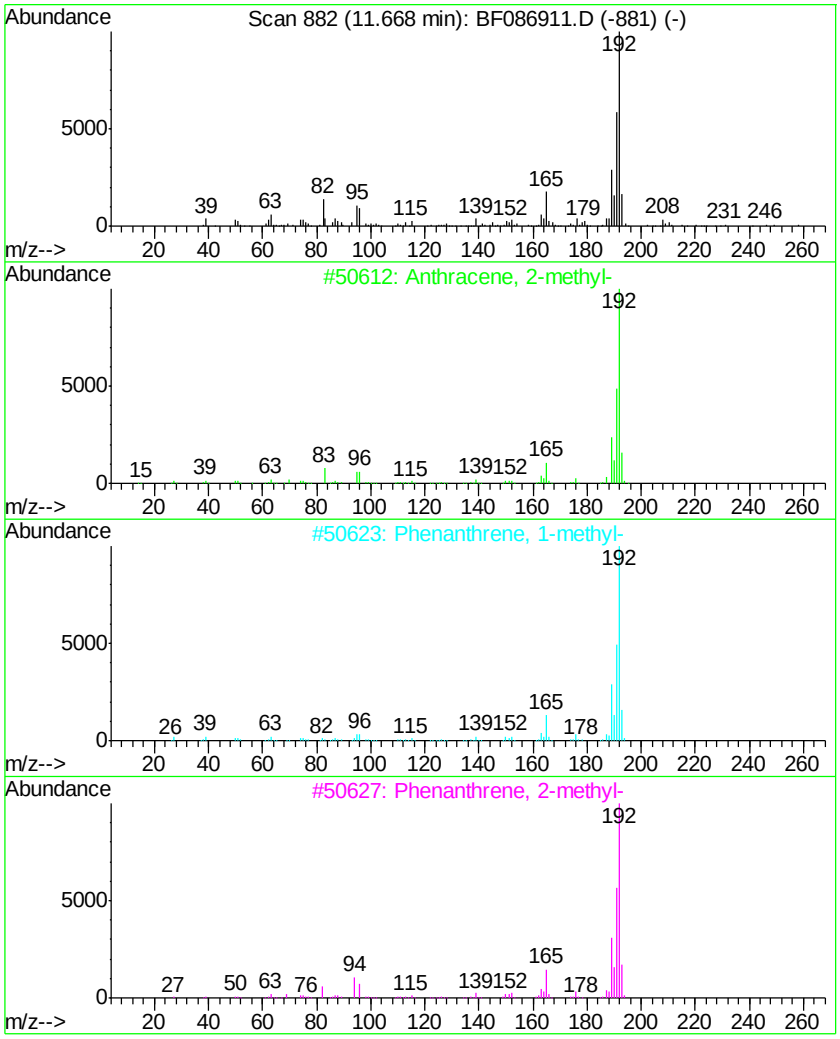
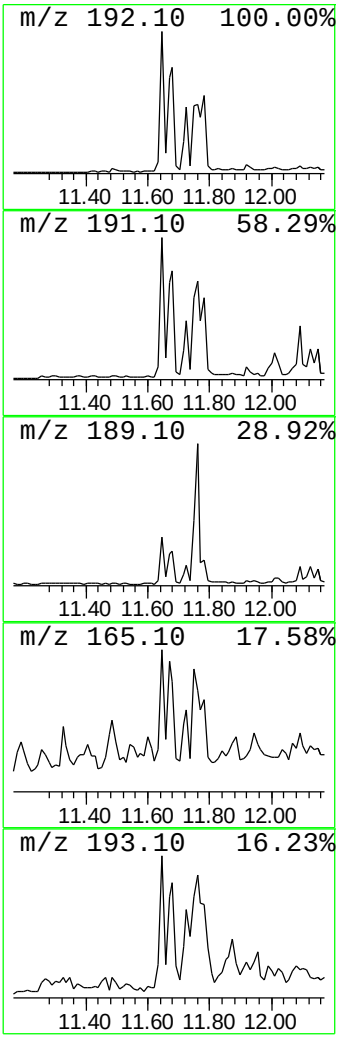
Peak Number 12 Anthracene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	3.77 ng	382658	Phenanthrene-d10	11.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





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Sample : H2965-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-13(5.5-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.M
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TIC Integration Parameters: LSCINT.P

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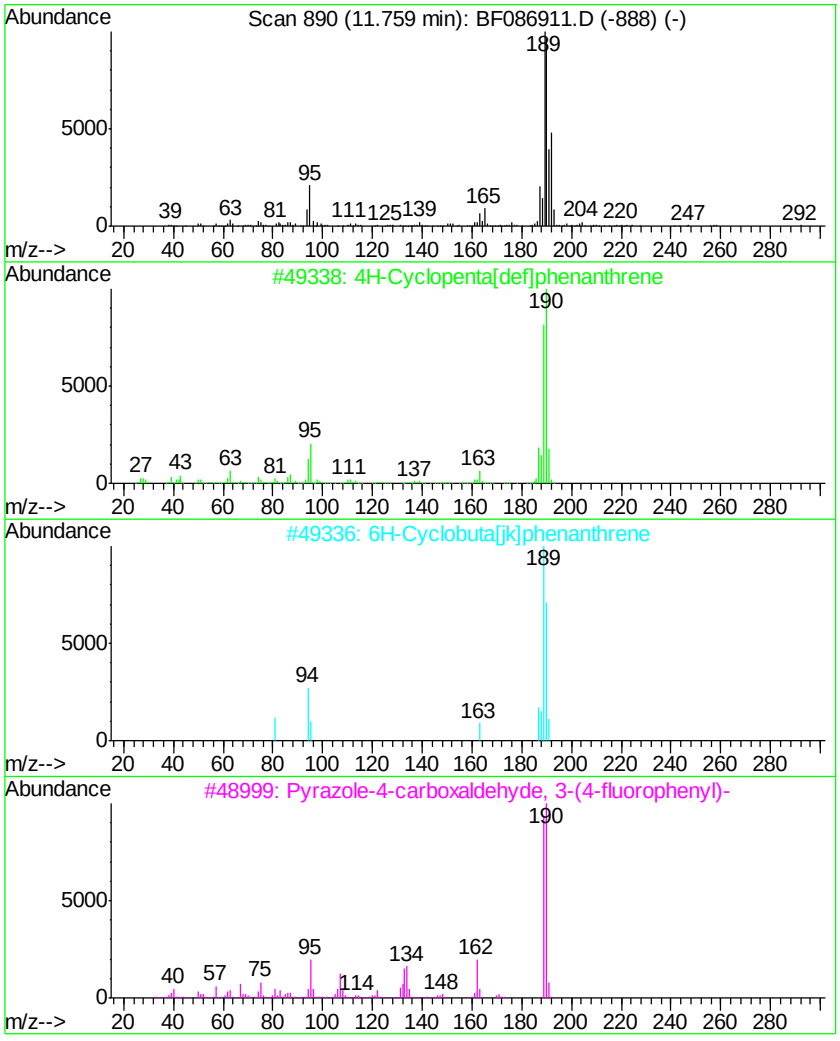
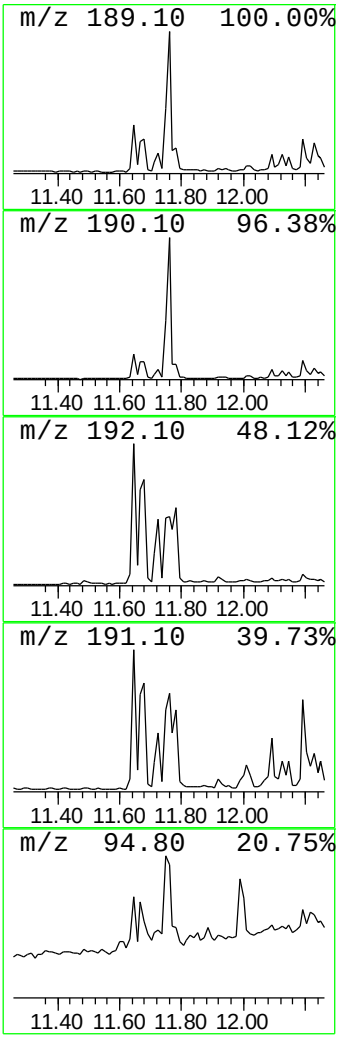
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.76	6.20 ng	628805	Phenanthrene-d10	11.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	49
4	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	40
5	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	12





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Sample : H2965-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-13(5.5-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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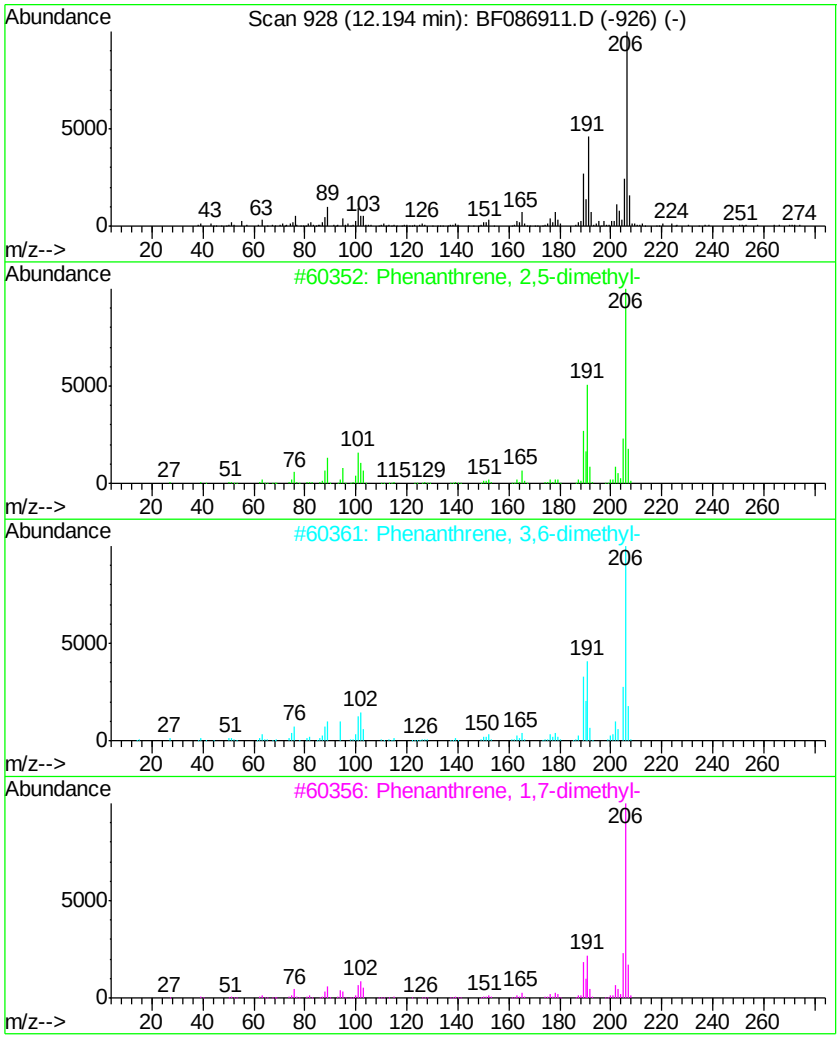
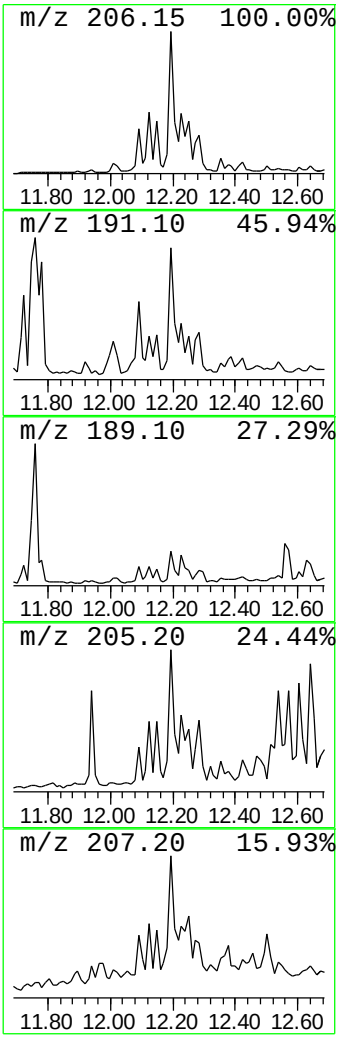
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	3.19 ng	323708	Phenanthrene-d10	11.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91





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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-13(5.5-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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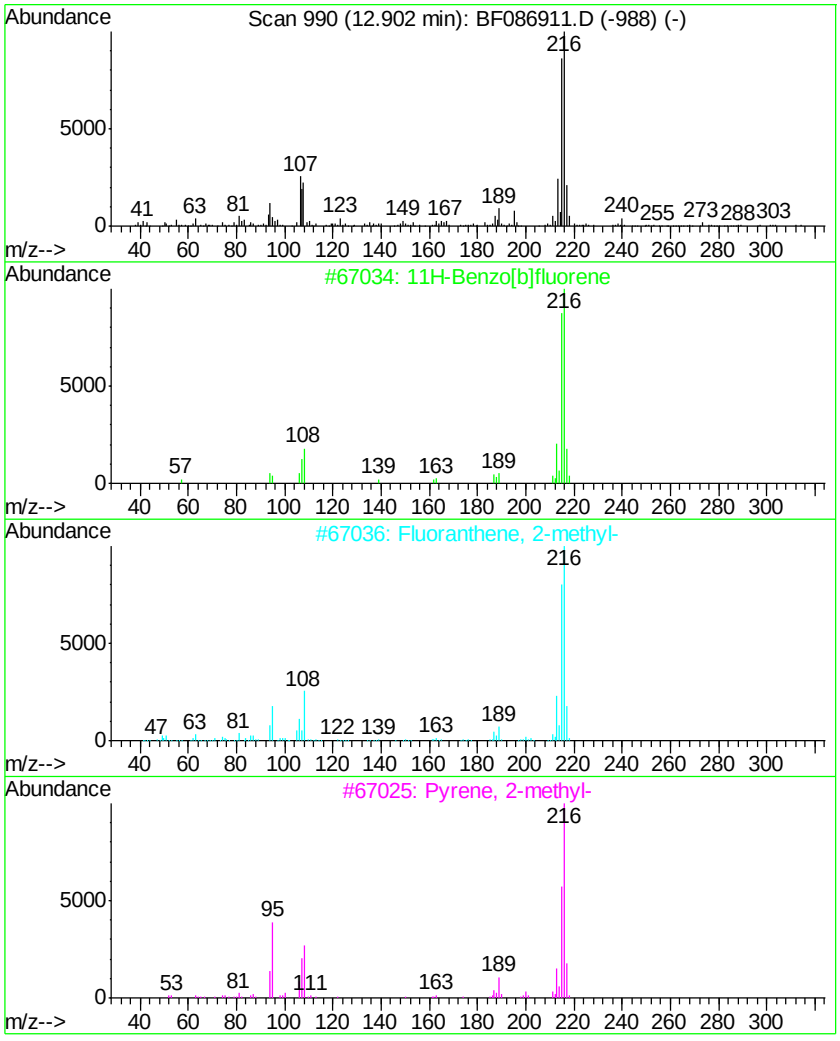
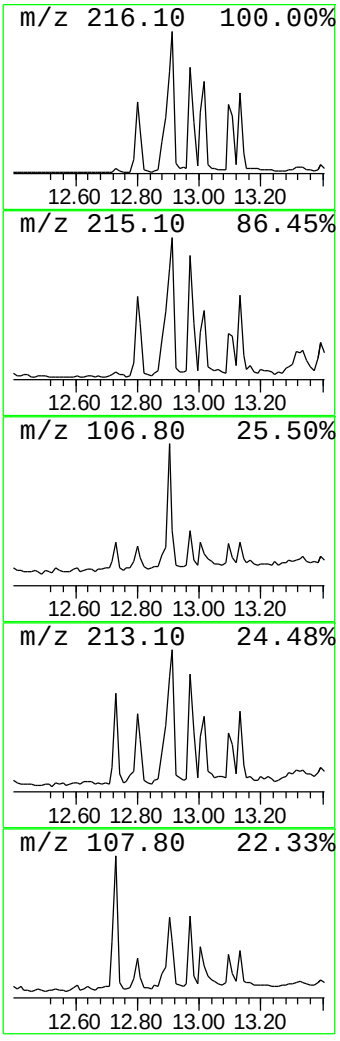
Peak Number 16 11H-Benzo[b]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.90	3.76 ng	484956	Chrysene-d12	13.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76





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Operator : UM/SJ
Sample : H2965-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-13(5.5-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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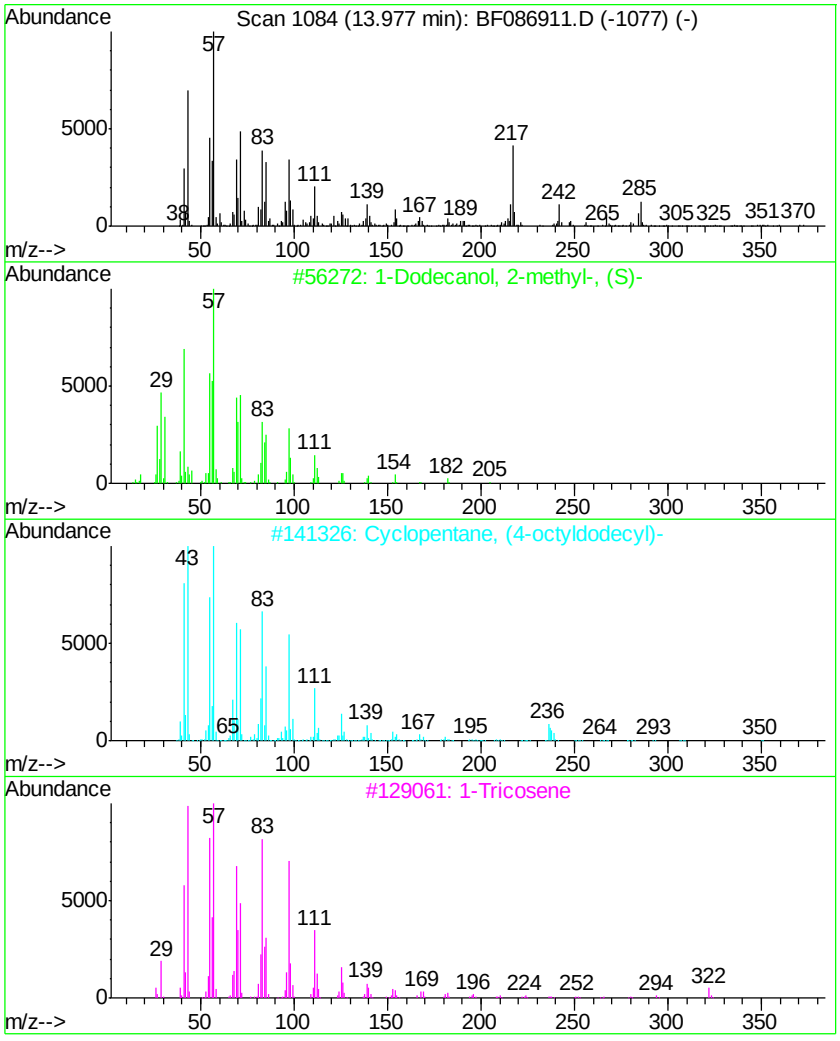
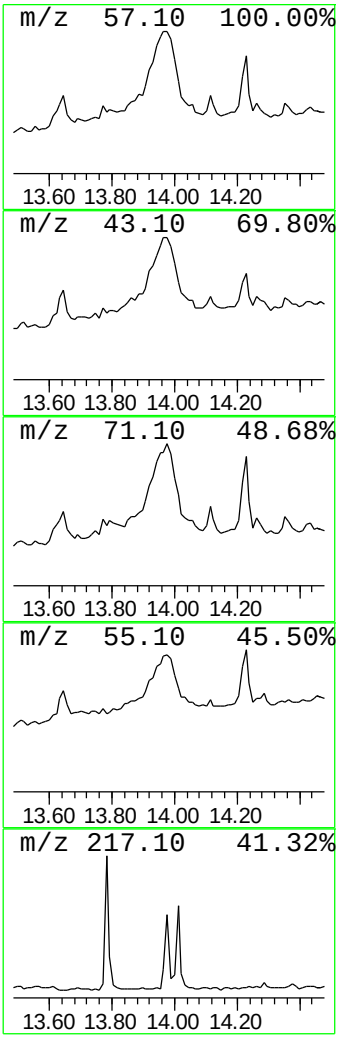
Peak Number 17 1-Dodecanol, 2-methyl-, (S)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.98	19.93 ng	2571490	Chrysene-d12	13.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Dodecanol, 2-methyl-, (S)-	200	C13H28O	057289-26-6	52
2	Cyclopentane, (4-octyldodecyl)-	350	C25H50	005638-09-5	50
3	1-Tricosene	322	C23H46	018835-32-0	43
4	1-Eicosene	280	C20H40	003452-07-1	38
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	35





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Sample : H2965-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-13(5.5-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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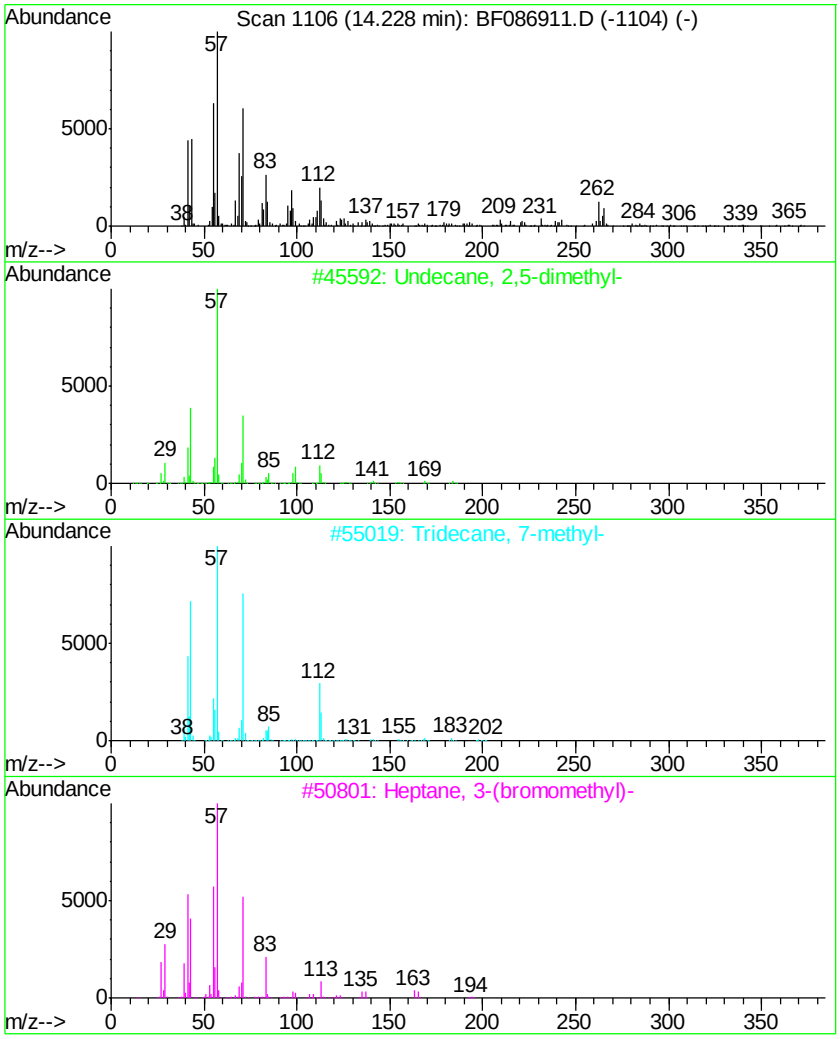
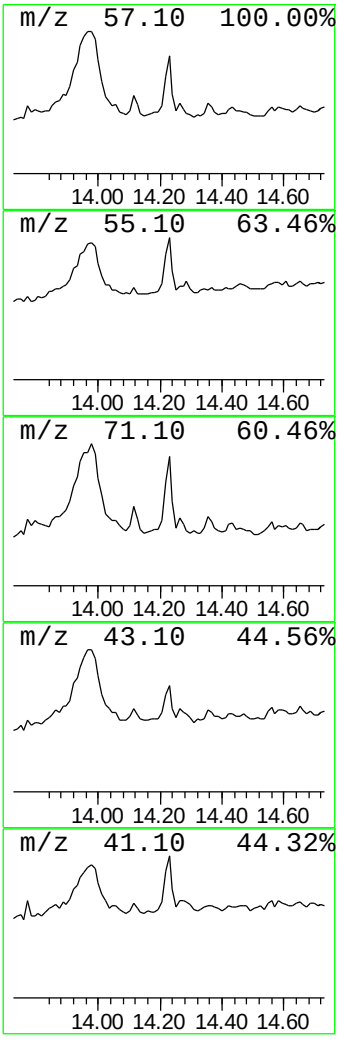
Peak Number 18 unknown14.23 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.23	3.86 ng	497703	Chrysene-d12	13.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	47
2	Tridecane, 7-methyl-	198	C14H30	026730-14-3	43
3	Heptane, 3-(bromomethyl)-	192	C8H17Br	018908-66-2	38
4	Oleic Acid	282	C18H34O2	000112-80-1	35
5	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	30





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Sample : H2965-01
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E-13(5.5-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050916.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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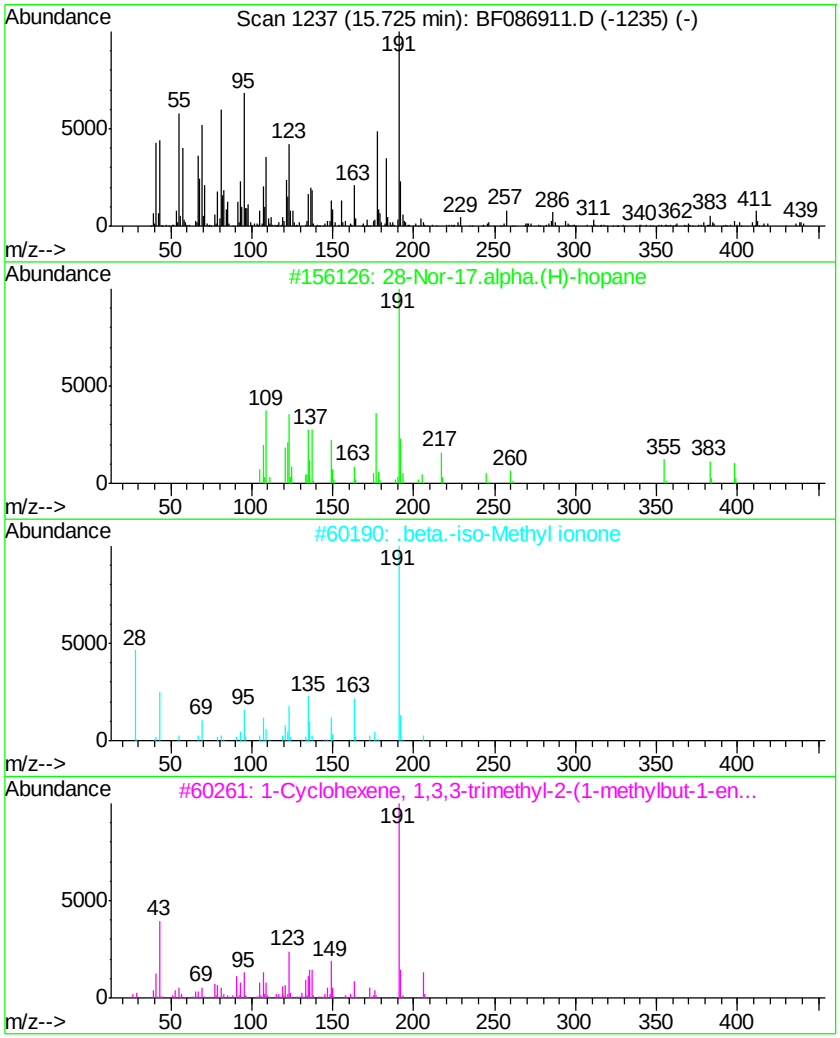
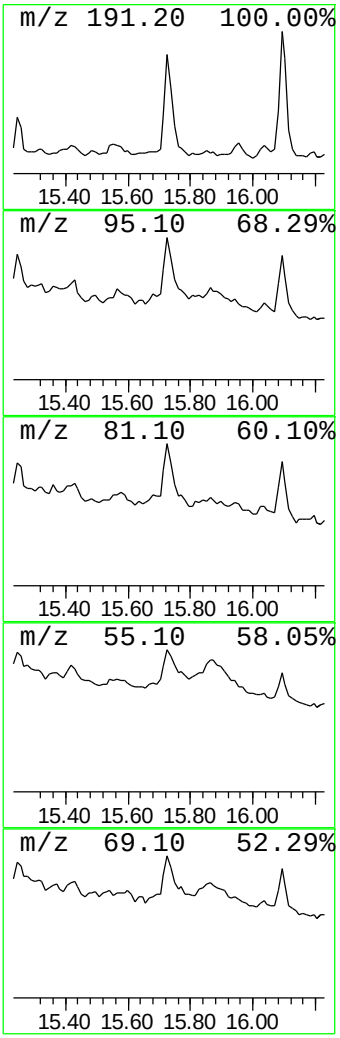
Peak Number 19 28-Nor-17.alpha.(H)-hopane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.73	15.26 ng	652556	Perylene-d12	15.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	28-Nor-17.alpha.(H)-hopane	398	C29H50	053584-60-4	64
2	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	38
3	1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	37
4	Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	32
5	5-Hexen-1-one, 1-(1H-imidazol-4-...	192	C11H16N2O	069393-41-5	30





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Sample : H2965-01
Misc :
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Instrument : BNA_F
ClientSampleId : E-13(5.5-6)

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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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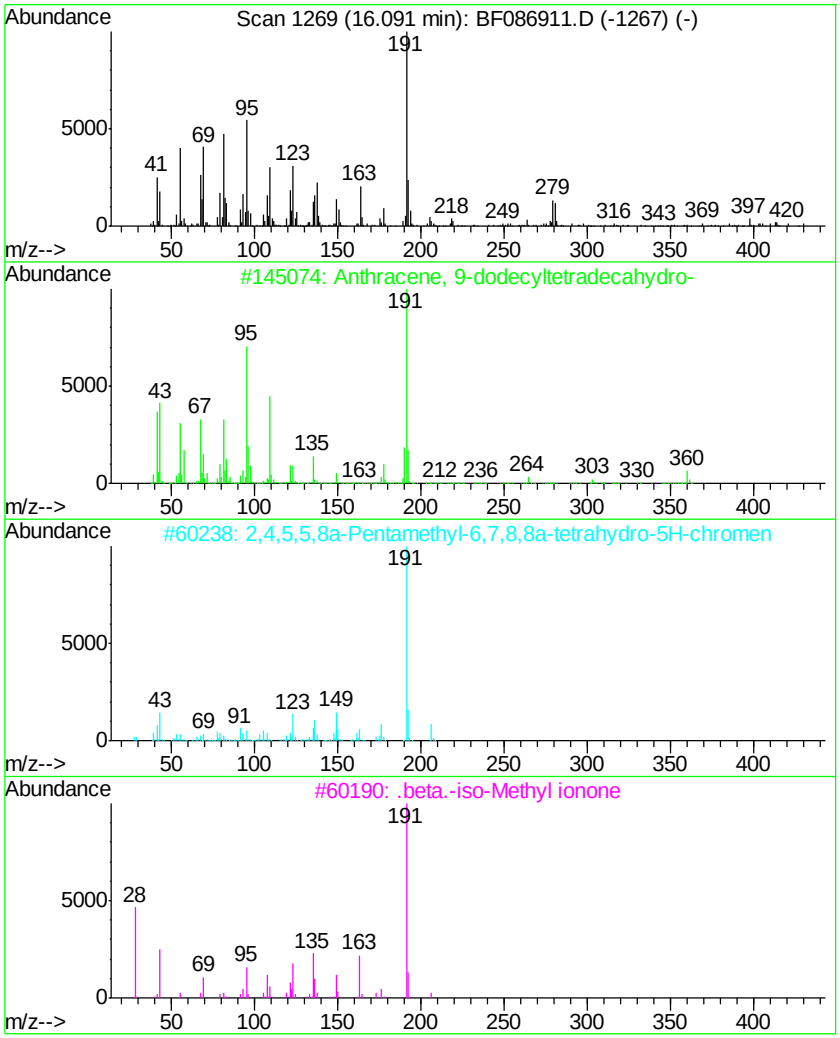
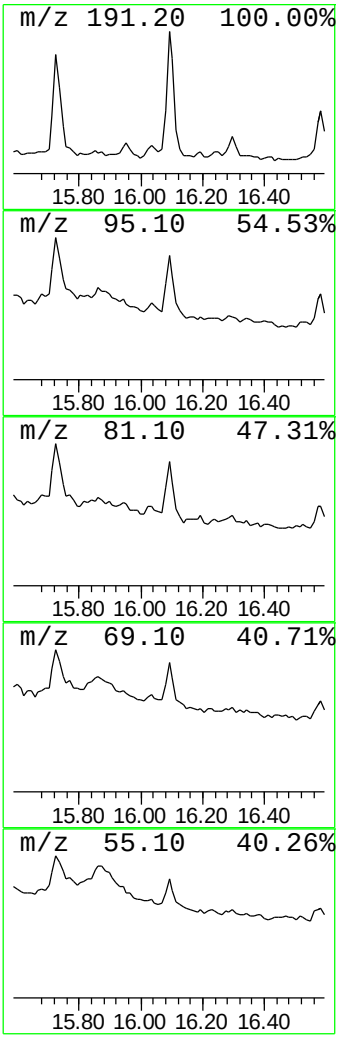
Peak Number 20 unknown16.09 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.09	17.59 ng	752220	Perylene-d12	15.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	47
2	2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	43
3	.beta.-iso-Methyl ionone	206	C14H22O	1000285-40-2	43
4	1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	37
5	4-(3H-Imidazo[4,5-b]pyridin-2-yl...	342	C15H18N8S	1000276-08-2	37





Tentatively Identified Compound (LSC) summary

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Acq On : 12 May 2016 2:24
Operator : UM/SJ
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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
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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
2-Pentanone, 4-hy...	4.78	5.2	ng	237767	1	6.63	913111	20.0
unknown6.41	6.41	79.1	ng	3610680	1	6.63	913111	20.0
Hexadecane	9.08	4.3	ng	247661	3	9.67	1144520	20.0
Naphthalene, 2,3,...	9.99	3.5	ng	199810	3	9.67	1144520	20.0
Eicosane	10.11	6.3	ng	362486	3	9.67	1144520	20.0
unknown10.33	10.33	4.6	ng	264250	3	9.67	1144520	20.0
Tridecane, 6-methyl-	10.58	5.7	ng	581506	4	11.14	2030010	20.0
Anthracene, 2-met...	11.67	3.8	ng	382658	4	11.14	2030010	20.0
4H-Cyclopenta[def...	11.76	6.2	ng	628805	4	11.14	2030010	20.0
Phenanthrene, 2,5...	12.19	3.2	ng	323708	4	11.14	2030010	20.0
11H-Benzo[b]fluorene	12.90	3.8	ng	484956	5	13.77	2579990	20.0
1-Dodecanol, 2-me...	13.98	19.9	ng	2571490	5	13.77	2579990	20.0
unknown14.23	14.23	3.9	ng	497703	5	13.77	2579990	20.0
28-Nor-17.alpha.(...	15.73	15.3	ng	652556	6	15.14	855274	20.0
unknown16.09	16.09	17.6	ng	752220	6	15.14	855274	20.0