LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061016\
Data File : BF087889.D
Acq On : 10 Jun 2016 22:15
Operator : UM/SJ
Sample : H3395-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STA-964-PLATFORM(0-4)

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	1.747	12	14	23	rVB	213920	403945	15.72%	0.846%
2	1.873	23	25	37	rVB	1616555	2569981	100.00%	5.384%
3	4.982	294	297	307	rBV	151572	215310	8.38%	0.451%
4	5.404	332	334	337	rVB	1762925	1842837	71.71%	3.861%
5	5.633	351	354	359	rVB	64821	89625	3.49%	0.188%
6	6.445	423	425	428	rBV	1398283	2076950	80.82%	4.351%
7	6.582	434	437	439	rVB	2278644	2233815	86.92%	4.680%
8	6.639	439	442	445	rBV2	75663	92276	3.59%	0.193%
9	6.810	455	457	459	rBV	866065	726956	28.29%	1.523%
10	6.970	468	471	473	rVB	2194466	1936160	75.34%	4.056%
11	7.382	504	507	509	rVV	1557924	1681719	65.44%	3.523%
12	8.102	567	570	573	rBV	989282	1172581	45.63%	2.457%
13	8.525	605	607	609	rBV	71736	83926	3.27%	0.176%
14	8.811	630	632	634	rVB	300682	237790	9.25%	0.498%
15	8.913	639	641	642	rBV	127984	160697	6.25%	0.337%
16	9.176	661	664	666	rVB	2875817	2486527	96.75%	5.209%
17	9.256	666	671	674	rBV	75848	141974	5.52%	0.297%
18	9.439	684	687	689	rVB	72324	100581	3.91%	0.211%
19	9.508	691	693	694	rVV	151402	116349	4.53%	0.244%
20	9.565	697	698	702	rVB	309029	341611	13.29%	0.716%
21	9.622	702	703	708	rVB	81731	111377	4.33%	0.233%
22	9.713	708	711	713	rBV	311687	396731	15.44%	0.831%
23	9.851	720	723	725	rBV	1063814	1018291	39.62%	2.133%
24	10.045	739	740	742	rBV	108832	139340	5.42%	0.292%
25	10.159	748	750	752	rBV3	64601	104852	4.08%	0.220%
26	10.251	756	758	760	rBV2	72543	113703	4.42%	0.238%
27	10.285	760	761	763	rVB2	120690	117458	4.57%	0.246%
28	10.388	769	770	774	rVB	132163	146176	5.69%	0.306%
29	10.502	778	780	782	rVV2	102207	127602	4.97%	0.267%
30	10.548	782	784	789	rVV2	99490	172313	6.70%	0.361%
31	10.628	789	791	793	rVV2	976430	1264202	49.19%	2.649%
32	10.765	800	803	806	rBV2	216562	396934	15.45%	0.832%
33	10.822	806	808	809	rBV	59664	88764	3.45%	0.186%
34	10.856	809	811	812	rVV2	78370	98923	3.85%	0.207%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
ClientSampleId : STA-964-PLATFORM(0-4)

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

35	10.936	817	818	822	rVV3	55622	141746	5.52%	0.297%
36	10.994	822	823	825	rVV2	71597	84838	3.30%	0.178%
37	11.028	825	826	828	rVV	74520	99783	3.88%	0.209%
38	11.074	828	830	834	rVV3	98367	218415	8.50%	0.458%
39	11.131	834	835	837	rVB2	116551	99839	3.88%	0.209%
40	11.199	837	841	842	rBV2	110568	182948	7.12%	0.383%
41	11.234	842	844	846	rVB2	73838	116582	4.54%	0.244%
42	11.325	850	852	853	rBV	839009	762248	29.66%	1.597%
43	11.405	856	859	860	rVV	337161	380079	14.79%	0.796%
44	11.554	869	872	874	rBV	235001	283168	11.02%	0.593%
45	11.622	877	878	880	rVV2	100990	120809	4.70%	0.253%
46	11.828	893	896	897	rBV	211944	226239	8.80%	0.474%
47	11.851	897	898	901	rVB	297200	301432	11.73%	0.632%
48	11.897	901	902	904	rBV	138183	139620	5.43%	0.293%
49	11.931	904	905	910	rVB	278713	516841	20.11%	1.083%
50	12.011	910	912	913	rBV2	55009	88272	3.43%	0.185%
51	12.034	913	914	917	rVB2	140031	159958	6.22%	0.335%
52	12.125	918	922	925	rVB3	126291	332960	12.96%	0.698%
53	12.274	932	935	936	rBV2	77009	120272	4.68%	0.252%
54	12.377	941	944	945	rBV	296573	315744	12.29%	0.661%
55	12.411	945	947	950	rVV2	130792	276422	10.76%	0.579%
56	12.457	950	951	954	rVB	208278	197762	7.70%	0.414%
57	12.537	955	958	960	rVB	1871145	1640410	63.83%	3.437%
58	12.582	960	962	965	rBV2	59239	133008	5.18%	0.279%
59	12.628	965	966	968	rVB	195406	134584	5.24%	0.282%
60	12.765	975	978	979	rVV	1688365	1830008	71.21%	3.834%
61	12.788	979	980	981	rVV	173450	155527	6.05%	0.326%
62	12.822	981	983	985	rVB2	118273	180289	7.02%	0.378%
63	12.880	985	988	989	rBV	165668	194426	7.57%	0.407%
64	12.914	989	991	993	rVB	1331074	1568563	61.03%	3.286%
65	12.982	993	997	1001	rBV3	215756	318159	12.38%	0.667%
66	13.085	1003	1006	1008	rVB	288556	529612	20.61%	1.110%
67	13.154	1008	1012	1013	rBV3	227131	309041	12.03%	0.647%
68	13.188	1013	1015	1019	rVB	328104	406265	15.81%	0.851%
69	13.257	1019	1021	1022	rBV2	59635	100892	3.93%	0.211%
70	13.280	1022	1023	1025	rVB	178170	176710	6.88%	0.370%
71	13.314	1025	1026	1028	rVB	181767	149047	5.80%	0.312%

LSC Area Percent Report

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Operator : UM/SJ
Sample : H3395-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STA-964-PLATFORM(0-4)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
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Peak separation: 5

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

72	13.405	1031	1034	1035	rBV2	45908	90751	3.53%	0.190%
73	13.485	1037	1041	1044	rBV5	117505	336651	13.10%	0.705%
74	13.588	1048	1050	1053	rVB	270863	344496	13.40%	0.722%
75	13.702	1057	1060	1062	rBV	264266	437684	17.03%	0.917%
76	13.737	1062	1063	1064	rVV	184852	191102	7.44%	0.400%
77	13.805	1067	1069	1072	rVB2	290129	383468	14.92%	0.803%
78	13.954	1079	1082	1083	rBV2	1157930	1789872	69.65%	3.750%
79	13.988	1083	1085	1088	rVB	639278	968847	37.70%	2.030%
80	14.057	1088	1091	1092	rBV3	93455	165398	6.44%	0.347%
81	14.091	1092	1094	1096	rVV2	103780	198219	7.71%	0.415%
82	14.342	1114	1116	1117	rVV	253580	228106	8.88%	0.478%
83	14.377	1117	1119	1121	rVB	190478	182431	7.10%	0.382%
84	14.434	1122	1124	1125	rVV2	150119	175836	6.84%	0.368%
85	14.468	1125	1127	1131	rVV4	136170	274952	10.70%	0.576%
86	14.537	1131	1133	1135	rVB2	89375	106889	4.16%	0.224%
87	14.640	1140	1142	1143	rBV2	83372	104810	4.08%	0.220%
88	14.731	1148	1150	1154	rVB4	84626	164374	6.40%	0.344%
89	14.800	1154	1156	1161	rVB2	119801	245920	9.57%	0.515%
90	14.971	1168	1171	1176	rBV	902313	1780343	69.27%	3.730%
91	15.074	1177	1180	1182	rVB2	171325	284909	11.09%	0.597%
92	15.257	1193	1196	1198	rVB	452622	625832	24.35%	1.311%
93	15.314	1198	1201	1204	rVV	540079	678581	26.40%	1.422%
94	15.371	1204	1206	1207	rVV	408488	483071	18.80%	1.012%
95	15.394	1207	1208	1212	rVB2	148677	245836	9.57%	0.515%
96	15.817	1243	1245	1247	rBV	67847	96968	3.77%	0.203%
97	16.731	1322	1325	1328	rBV2	245332	437975	17.04%	0.918%
98	16.891	1337	1339	1342	rBV	44624	93557	3.64%	0.196%
99	16.948	1342	1344	1352	rVB3	71349	191432	7.45%	0.401%
100	17.143	1357	1361	1366	rVB	199084	423014	16.46%	0.886%

Sum of corrected areas: 47732118

LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061016\
Data File : BF087889.D
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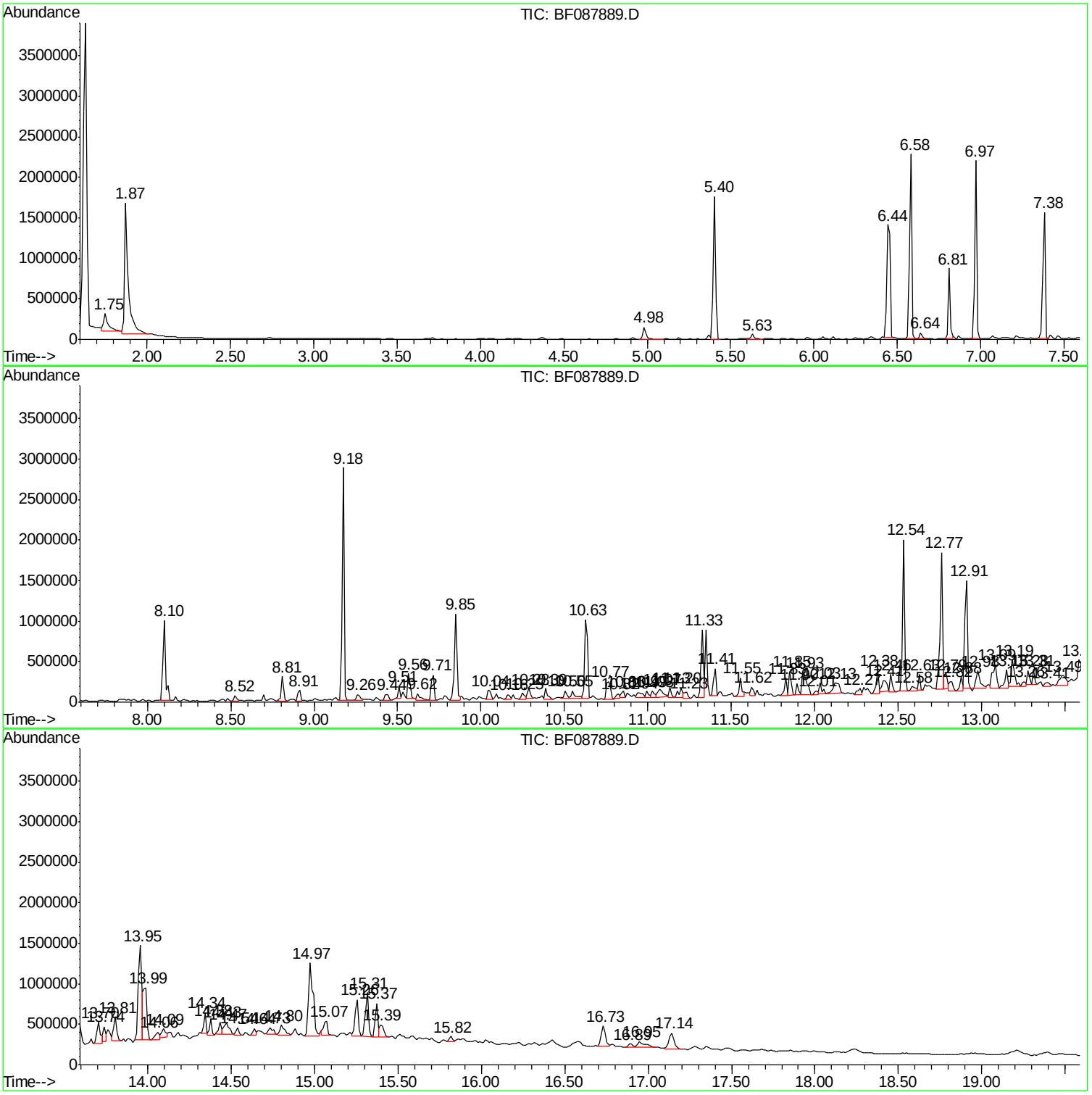
Operator : UM/SJ
Sample : H3395-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STA-964-PLATFORM(0-4)

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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Instrument : BNA_F
ClientSampleId : STA-964-PLATFORM(0-4)

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

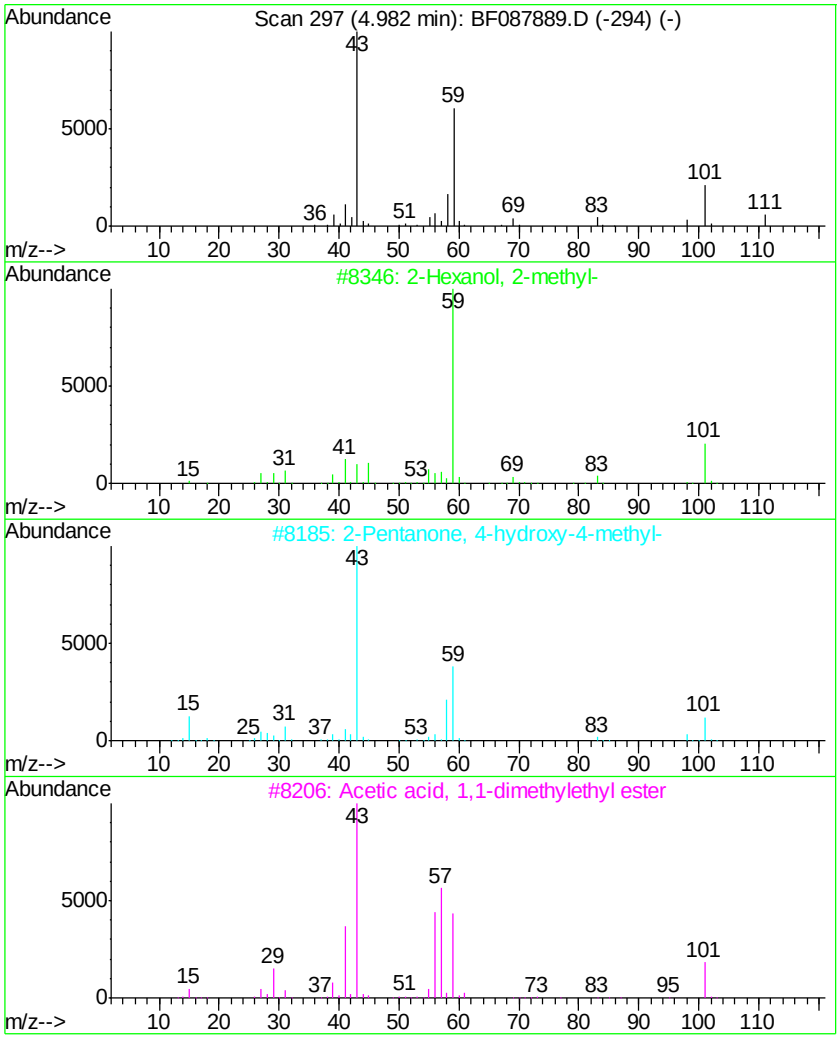
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

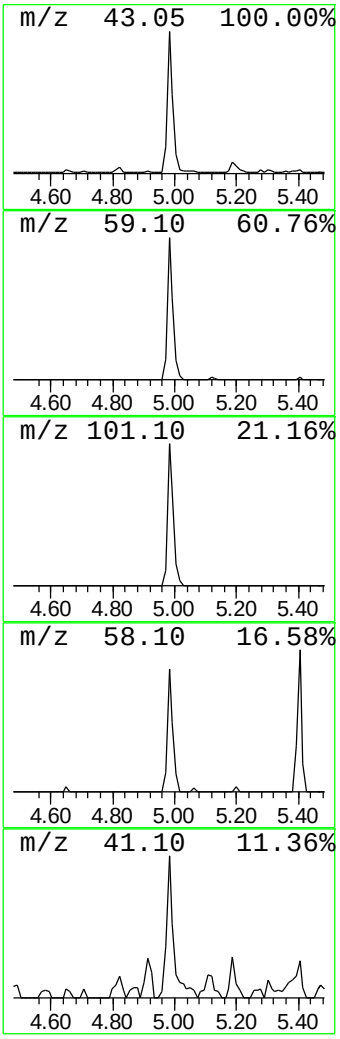
****

Peak Number 3 unknown4.98 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.98	5.92 ng	215310	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	40
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	38
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
4	2,3-Dimethyloxirane-2-carboxylic...	130	C6H10O3	1000306-64-4	28
5	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF061016\
Data File : BF087889.D
Acq On : 10 Jun 2016 22:15
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Sample : H3395-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
STA-964-PLATFORM(0-4)

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

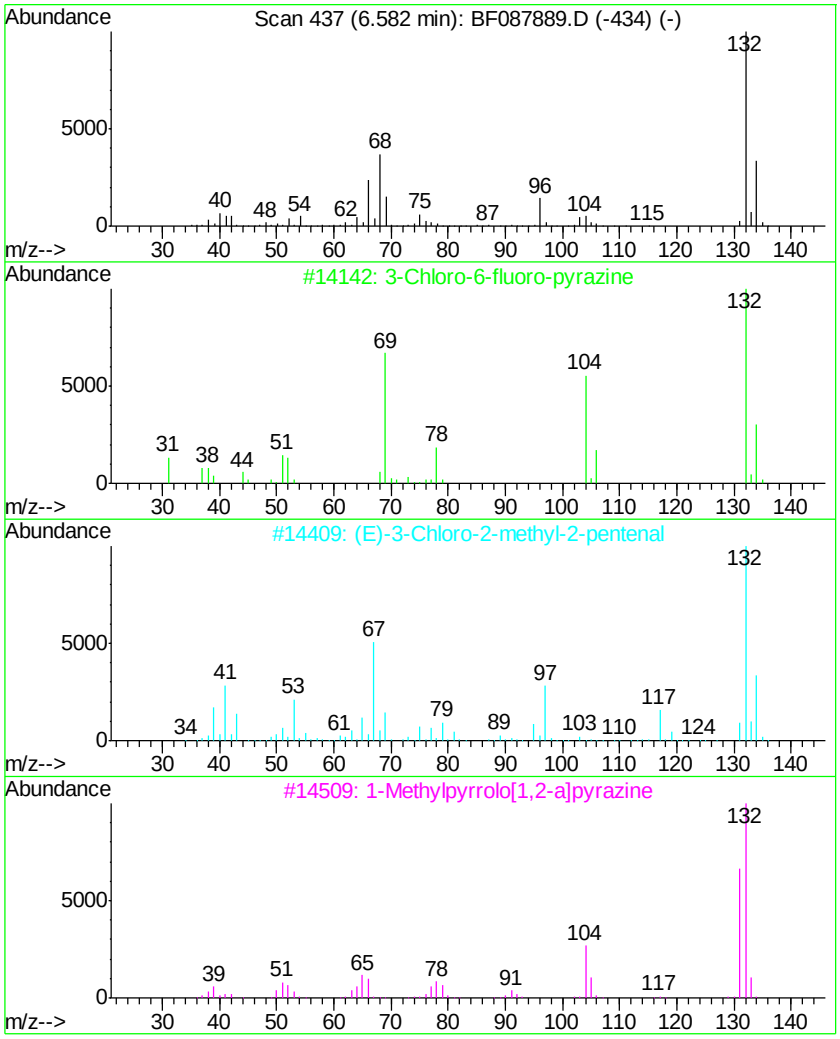
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

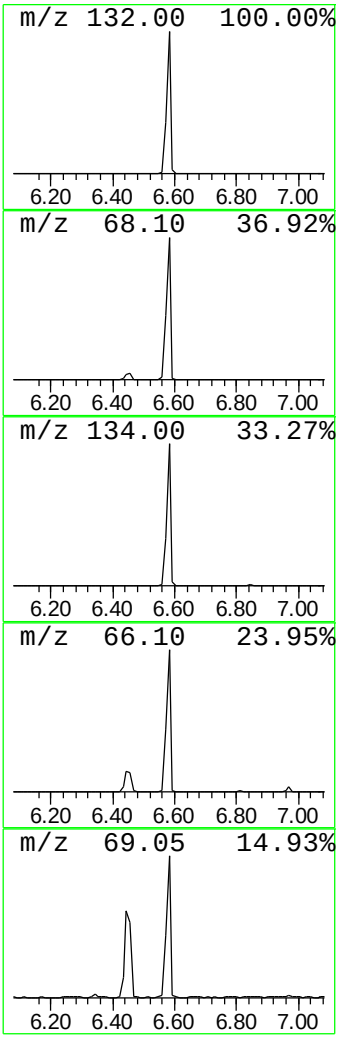
****

Peak Number 4 unknown6.58 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	61.46 ng	2233820	1,4-Dichlorobenzene-d4	6.81

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
4	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





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ClientSampleId : STA-964-PLATFORM(0-4)

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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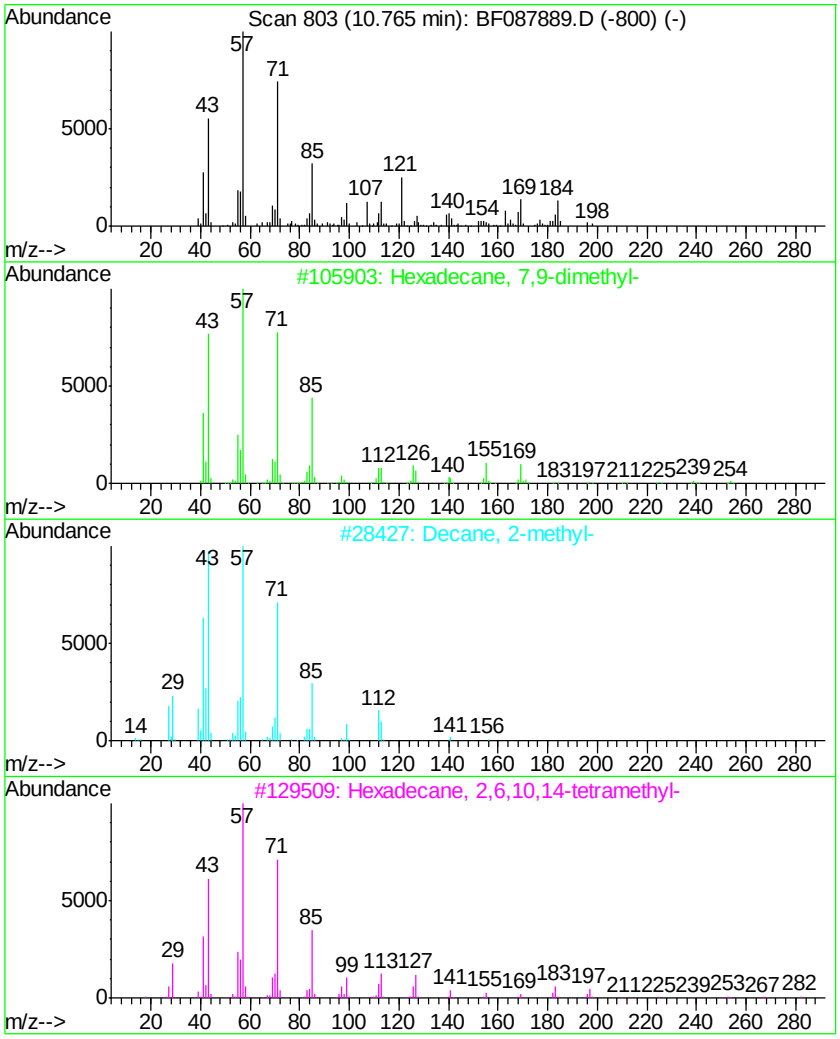
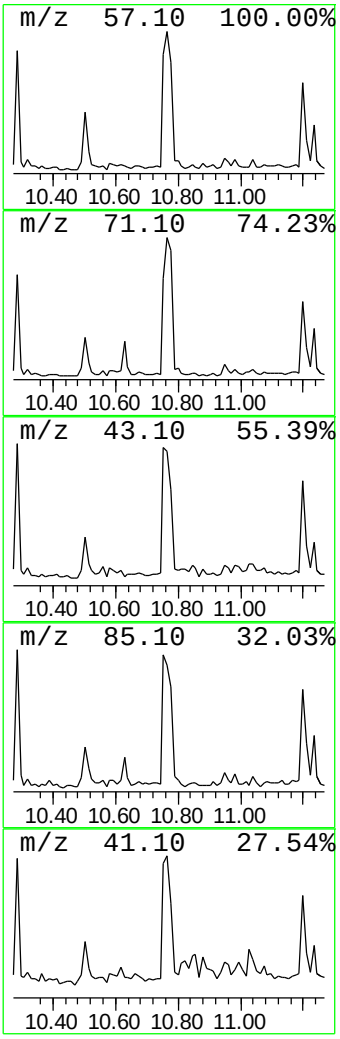
Peak Number 6 Hexadecane, 7,9-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	10.41 ng	396934	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 7,9-dimethyl-	254	C18H38	021164-95-4	74
2	Decane, 2-methyl-	156	C11H24	006975-98-0	74
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	74
4	Undecane, 5-methyl-	170	C12H26	001632-70-8	68
5	Octane, 2-methyl-	128	C9H20	003221-61-2	64





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

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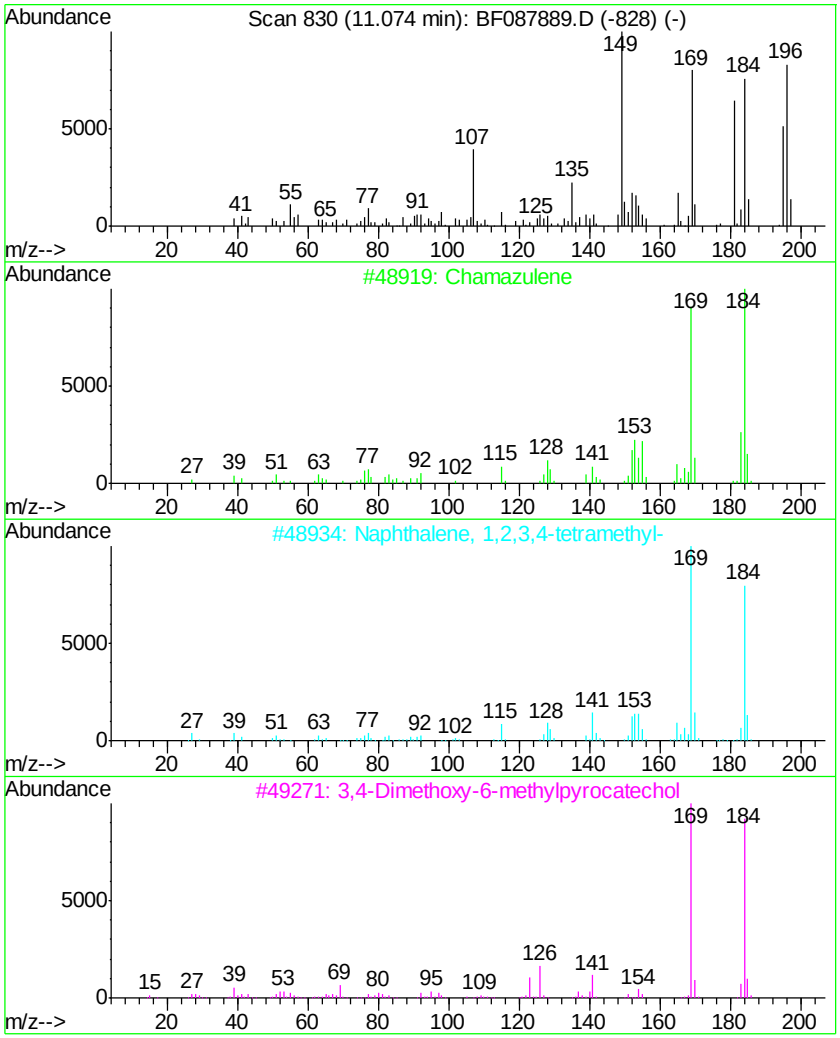
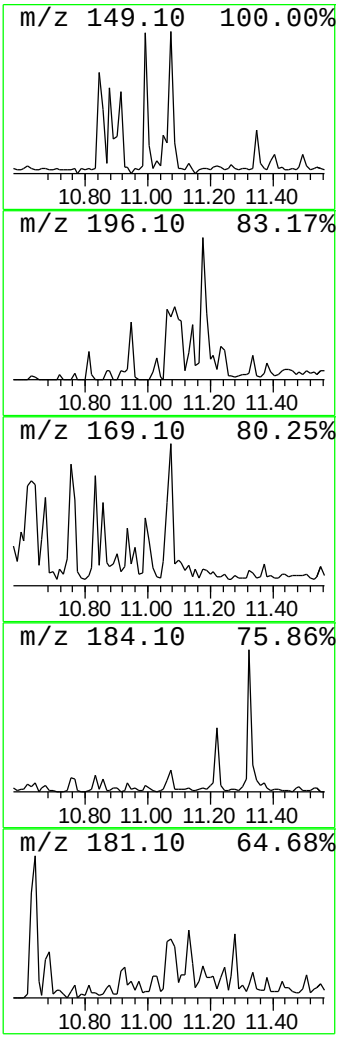
Peak Number 7 unknown11.07 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	5.73 ng	218415	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chamazulene	184	C14H16	000529-05-5	47
2	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	38
3	3,4-Dimethoxy-6-methylpyrocatechol	184	C9H12O4	054826-79-8	30
4	Benzene, (4,5,5-trimethyl-1,3-cy...	184	C14H16	033930-85-7	25
5	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	25





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Instrument : BNA_F
ClientSampleId : STA-964-PLATFORM(0-4)

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

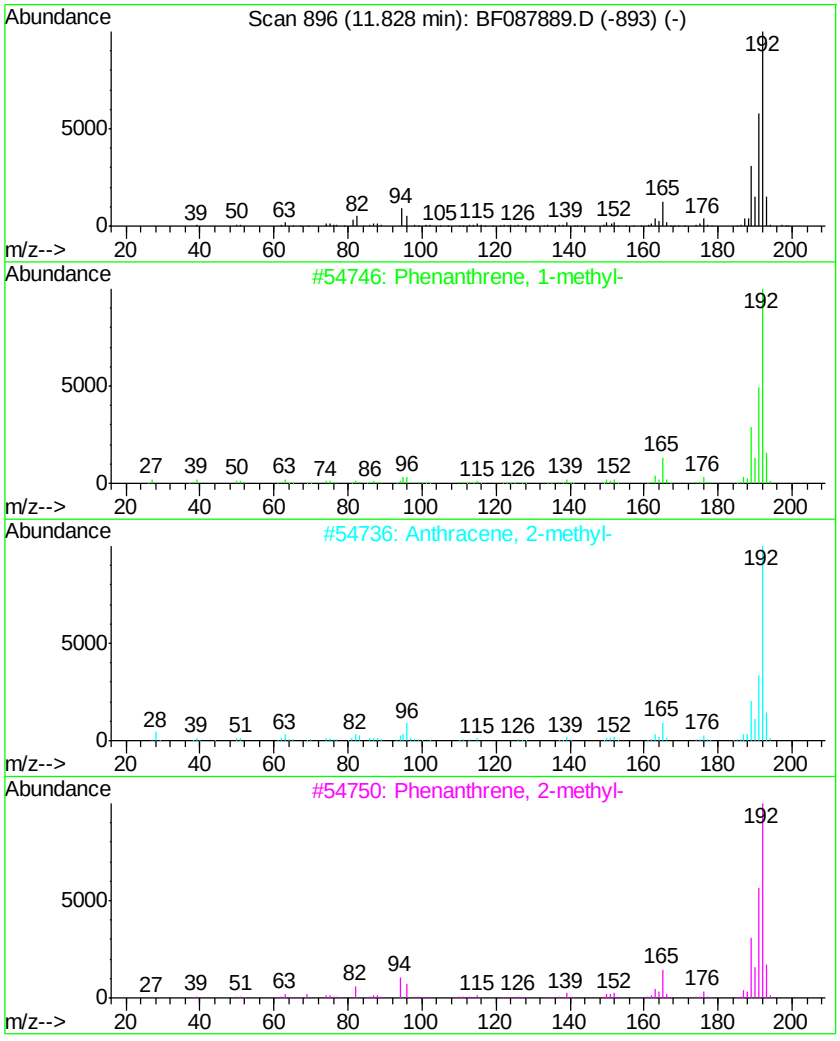
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

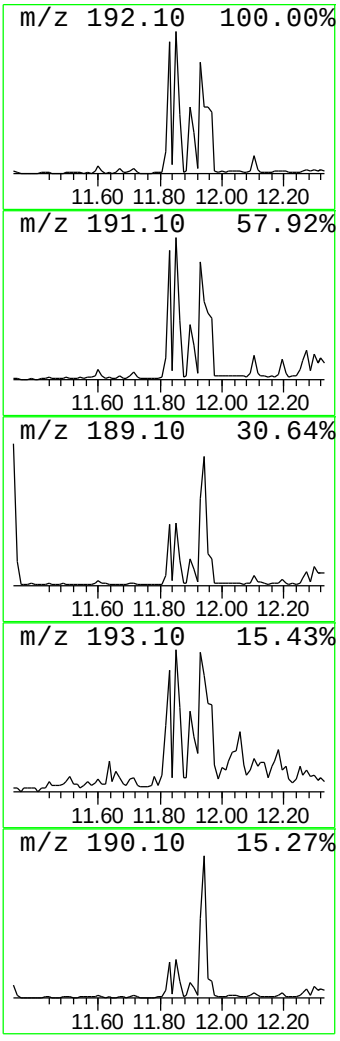
****

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	5.94 ng	226239	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Acq On : 10 Jun 2016 22:15
Operator : UM/SJ
Sample : H3395-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STA-964-PLATFORM(0-4)

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

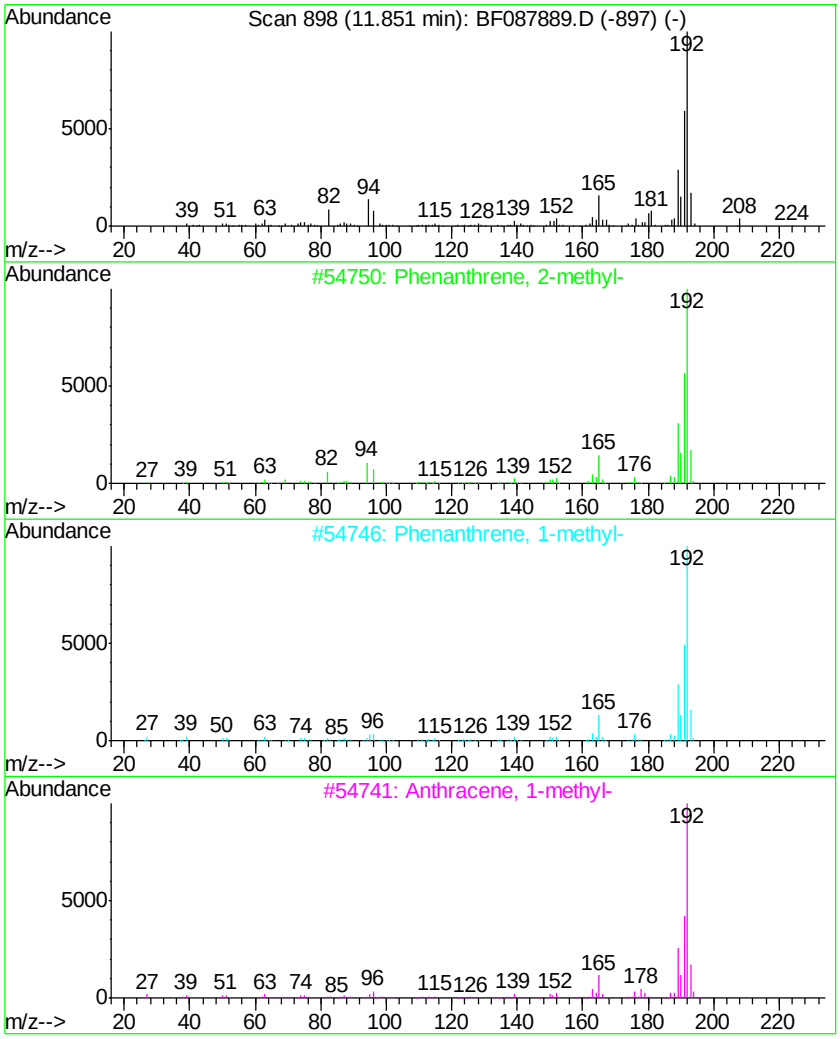
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

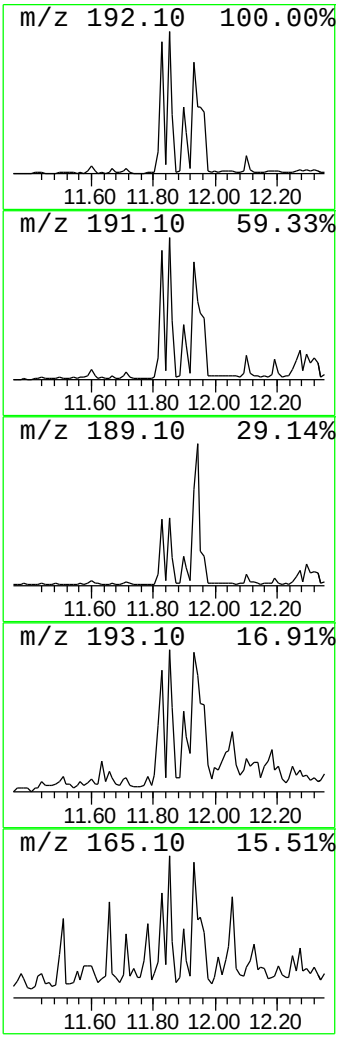
****

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	7.91 ng	301432	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Instrument : BNA_F
ClientSampleId : STA-964-PLATFORM(0-4)

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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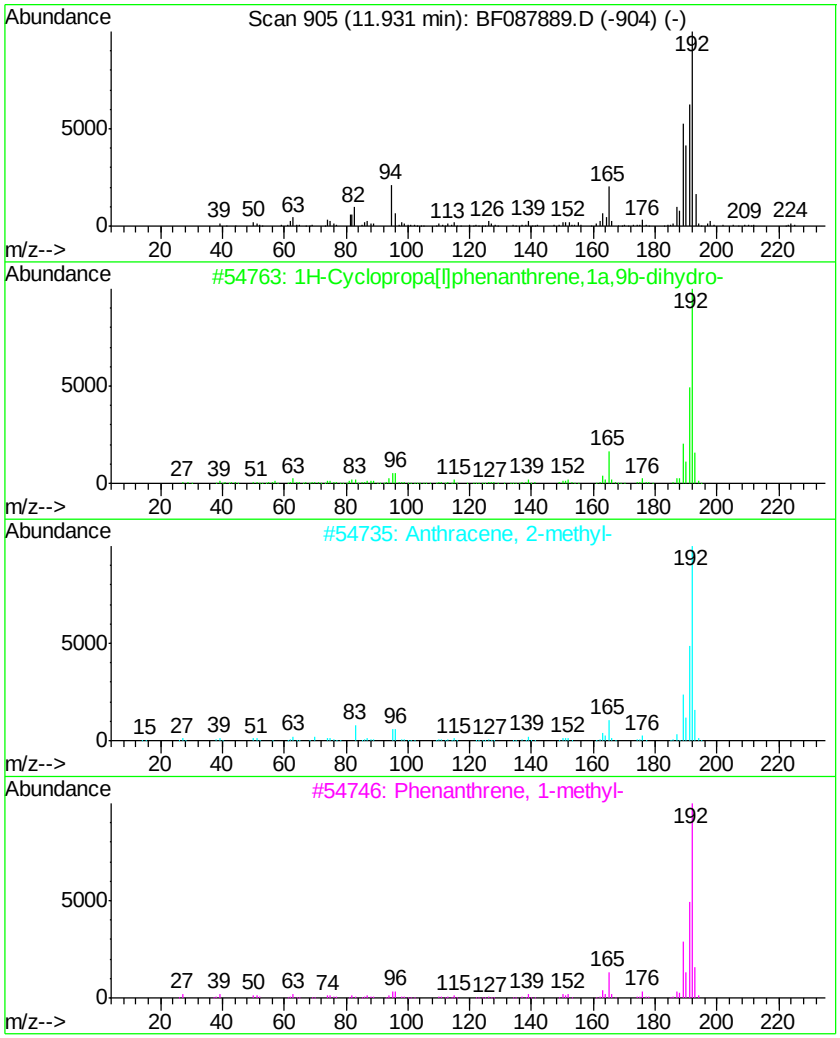
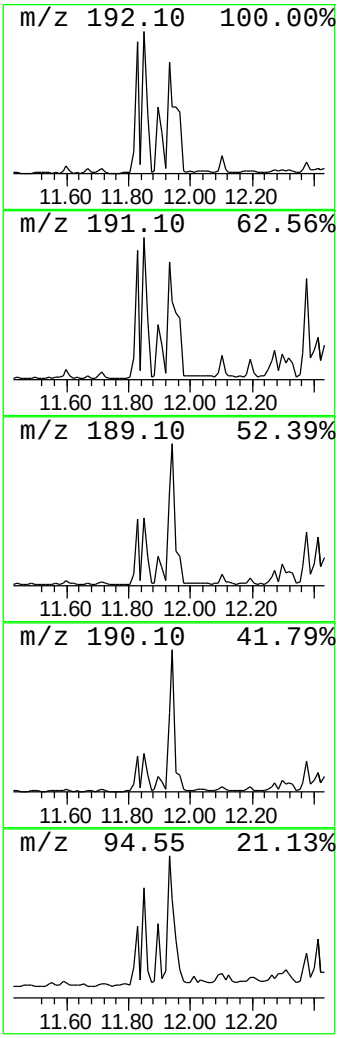
Peak Number 10 1H-Cyclopropa[l]phenanthren... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	13.56 ng	516841	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	60





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Sample : H3395-19
Misc :
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Instrument : BNA_F
ClientSampleId : STA-964-PLATFORM(0-4)

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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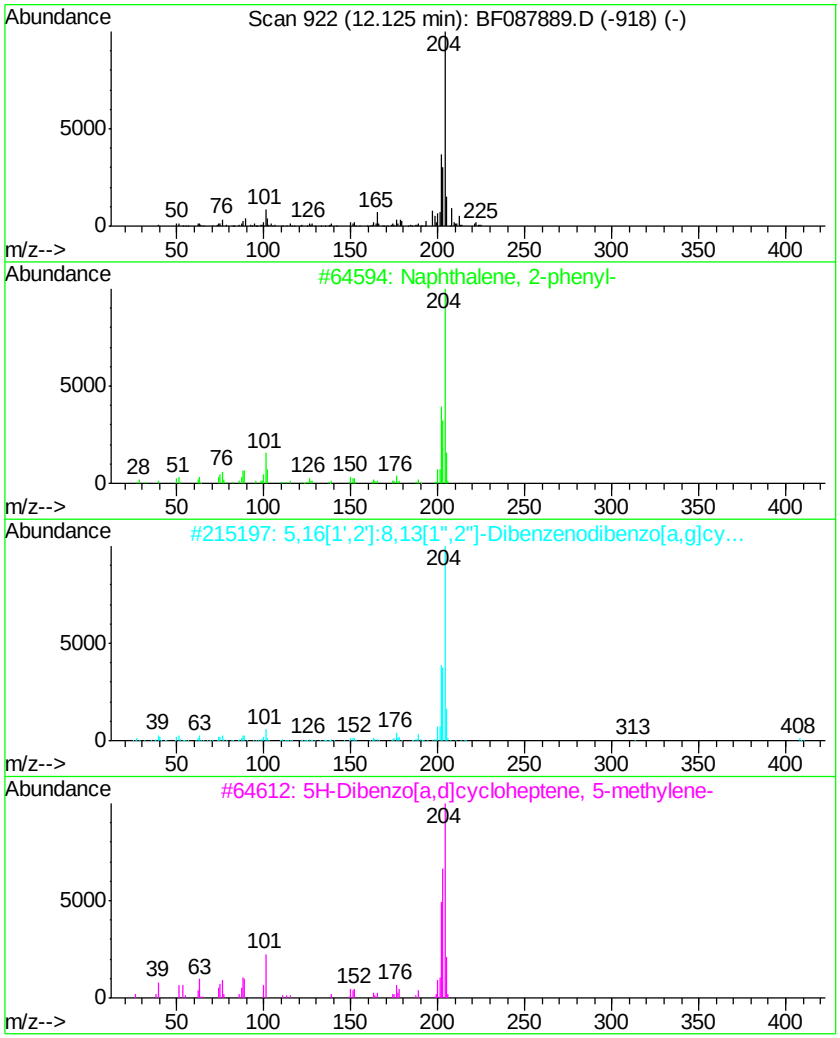
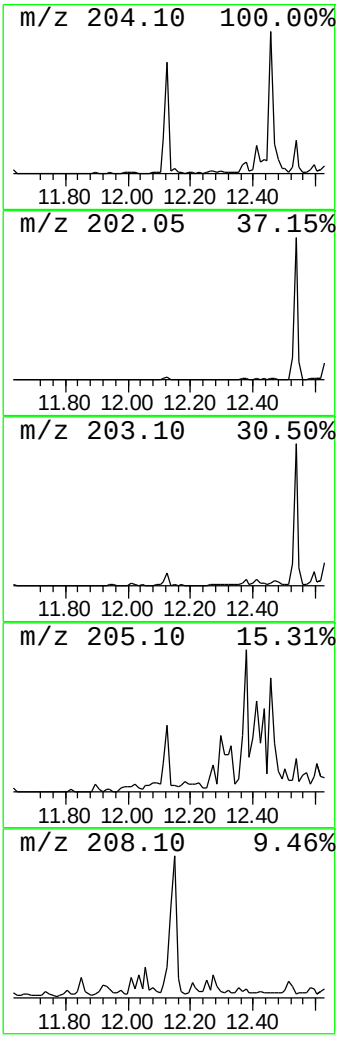
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	8.74 ng	332960	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
3	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	49
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	47





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Operator : UM/SJ
Sample : H3395-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STA-964-PLATFORM(0-4)

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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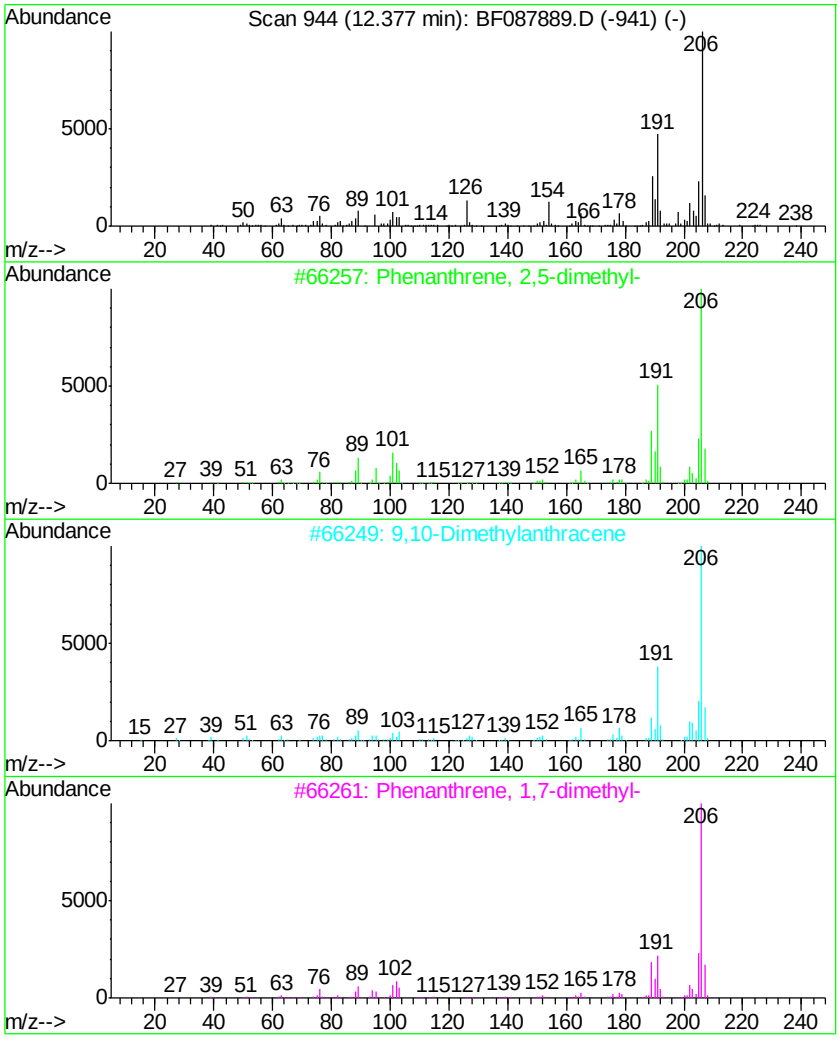
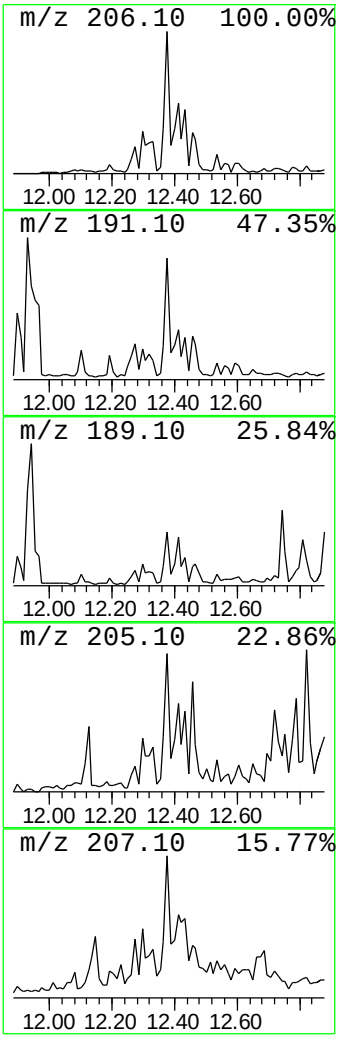
Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	8.28 ng	315744	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	83
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	81





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Sample : H3395-19
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Instrument : BNA_F
ClientSampleId : STA-964-PLATFORM(0-4)

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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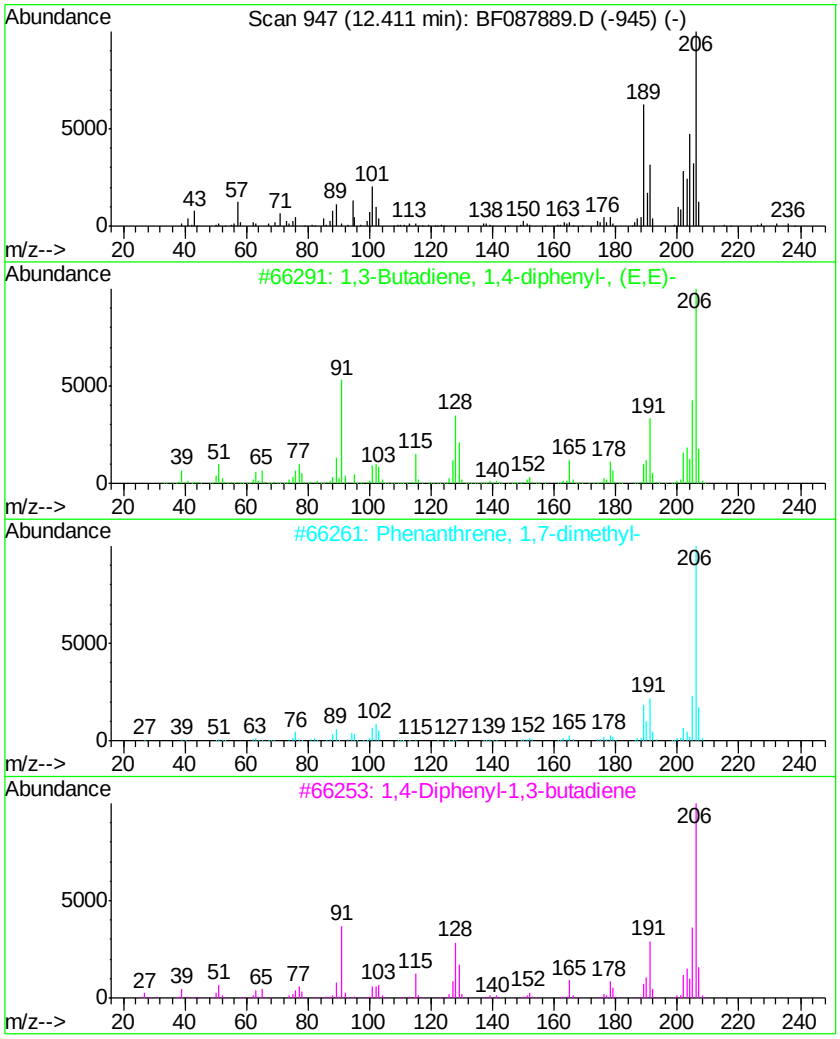
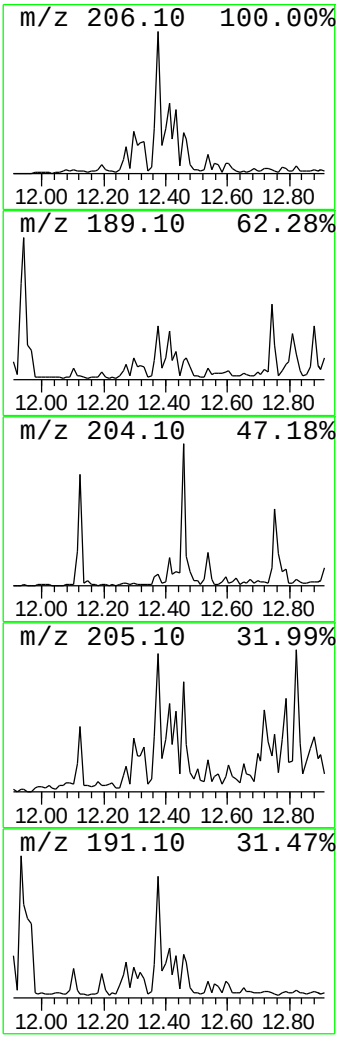
Peak Number 13 1,3-Butadiene, 1,4-diphenyl... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	7.25 ng	276422	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	50
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	47
3	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	43
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	38





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ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STA-964-PLATFORM(0-4)

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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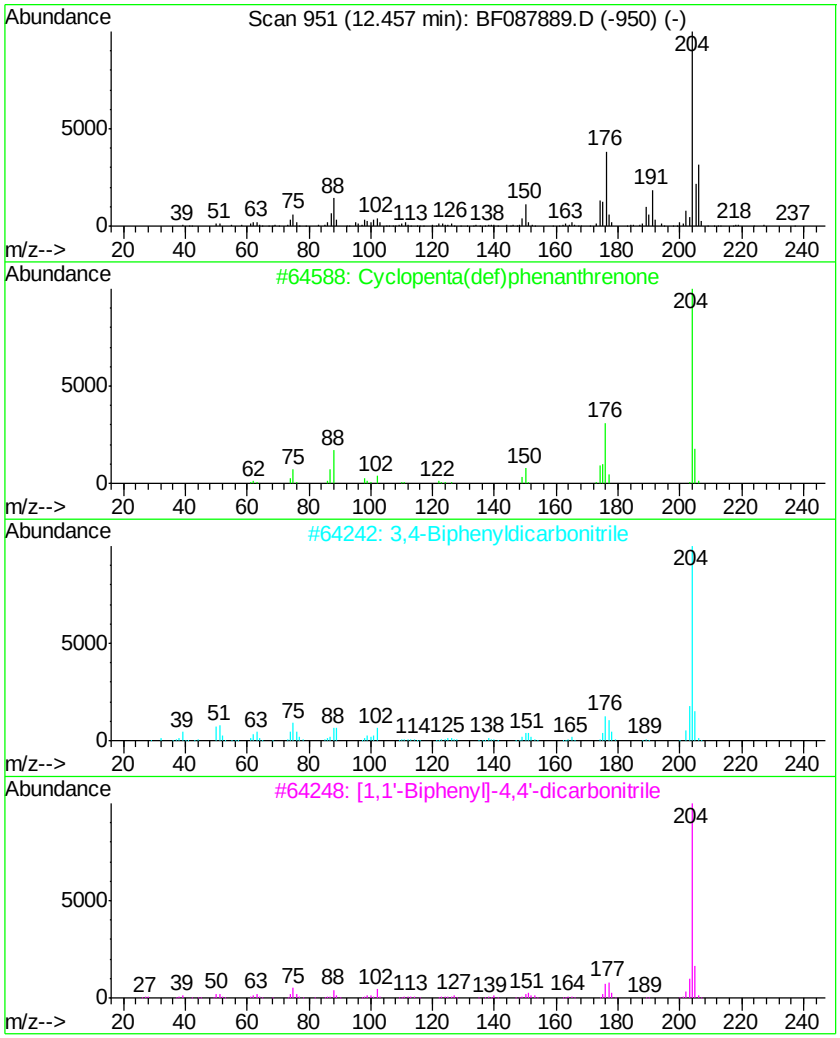
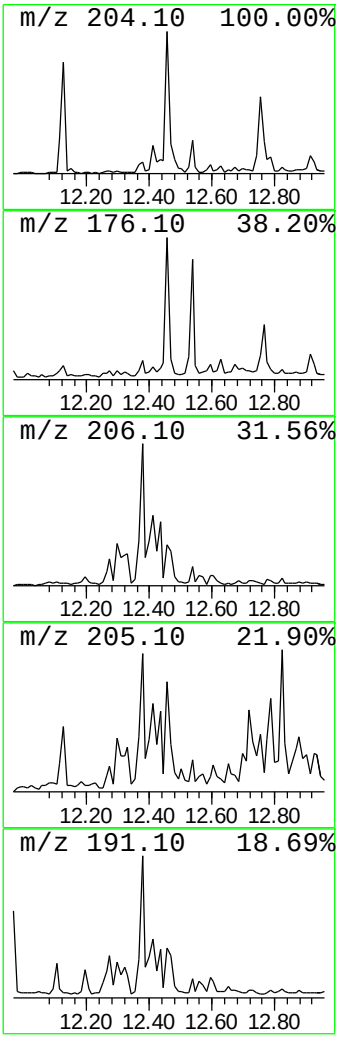
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	5.19 ng	197762	Phenanthrene-d10	11.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	45
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43





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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STA-964-PLATFORM(0-4)

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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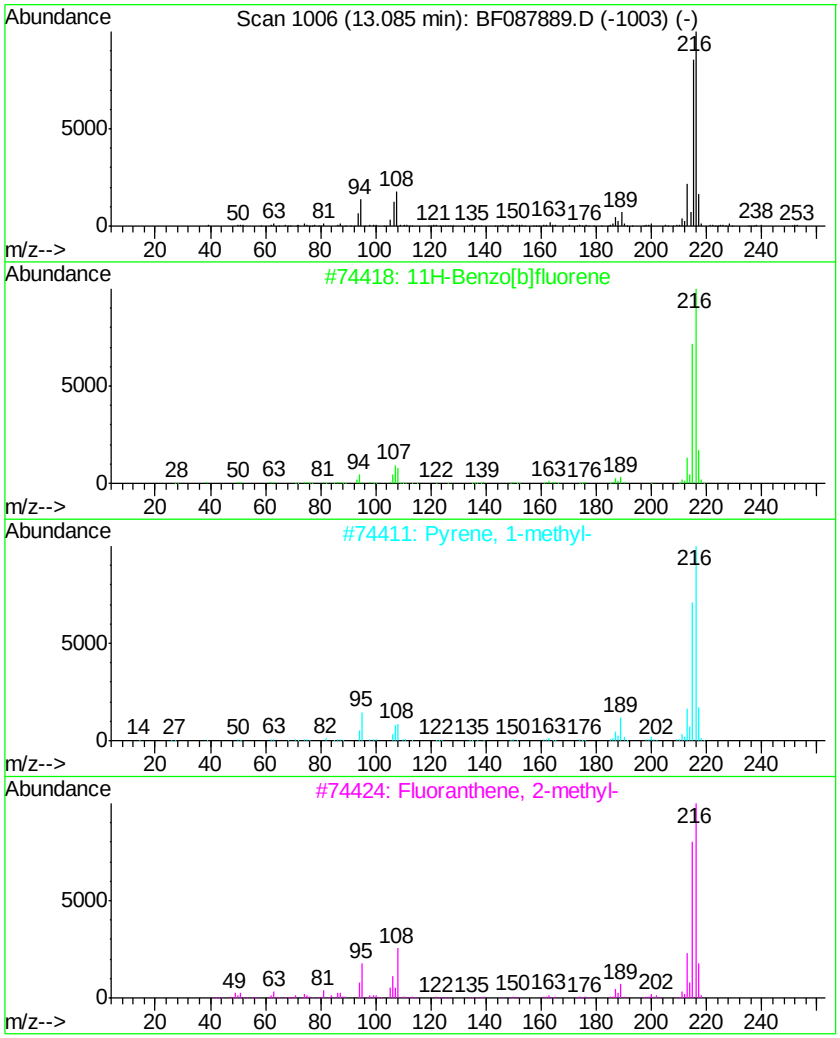
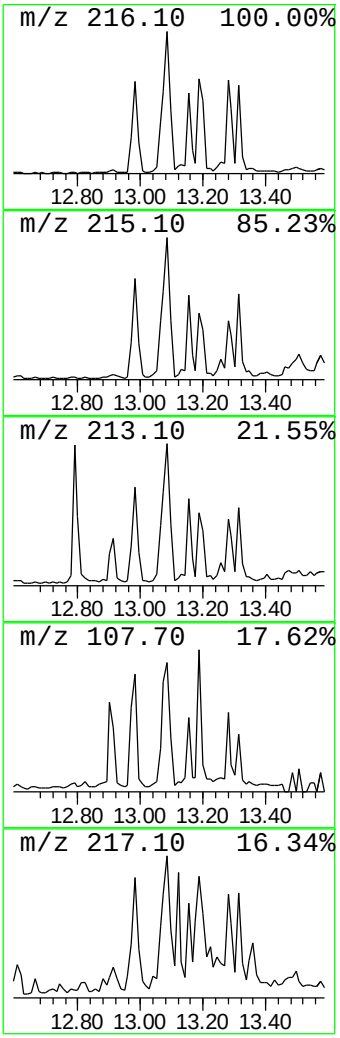
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	5.92 ng	529612	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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Misc :
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ClientSampleId : STA-964-PLATFORM(0-4)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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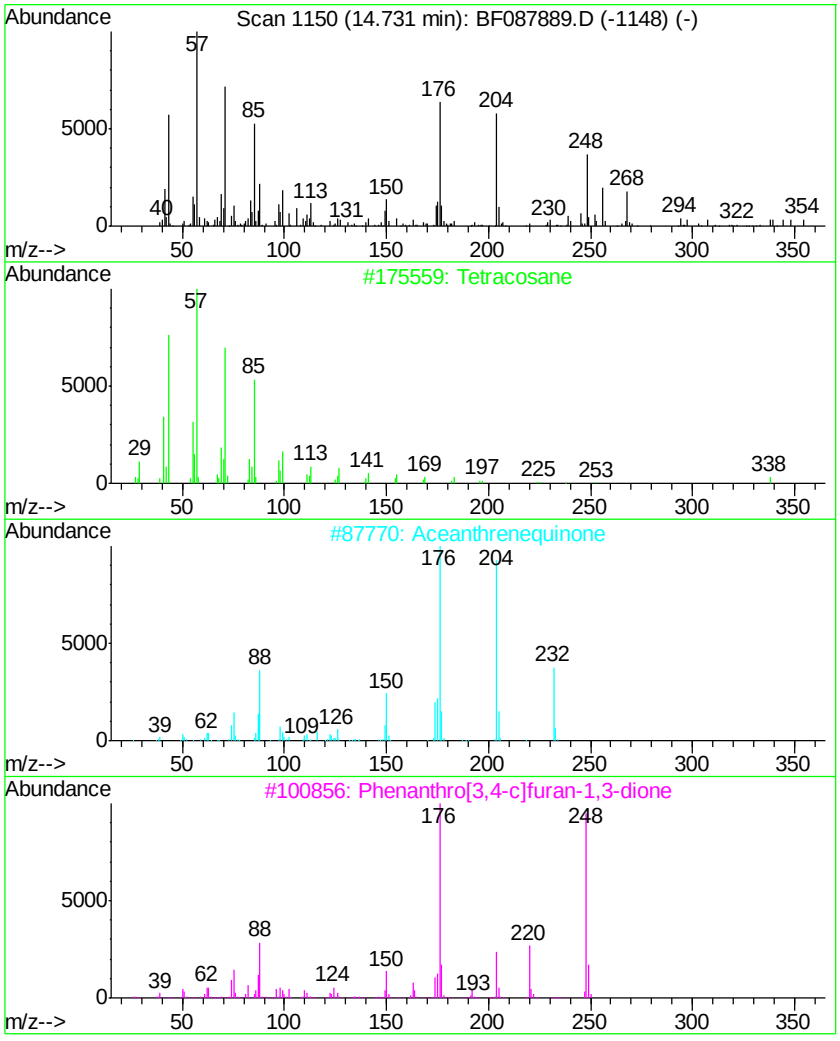
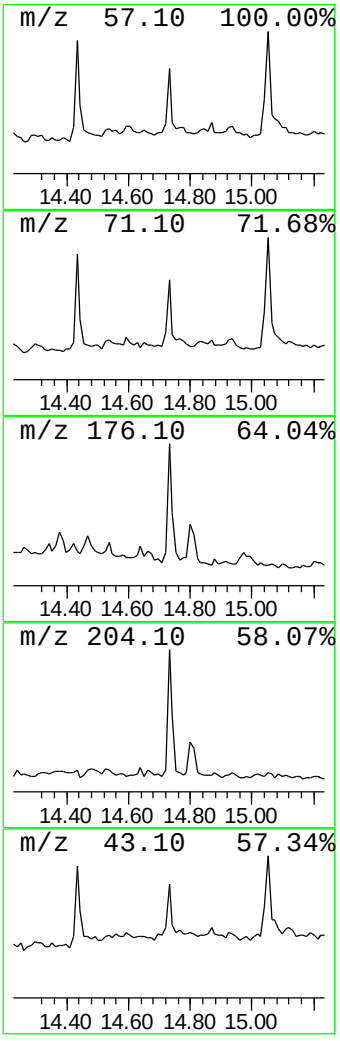
Peak Number 16 Tetracosane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	6.81 ng	164374	Perylene-d12	15.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	64
2	Aceanthrenequinone	232	C16H8O2	006373-11-1	42
3	Phenanthro[3,4-c]furan-1,3-dione	248	C16H8O3	005723-54-6	30
4	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	30
5	Nonadecane	268	C19H40	000629-92-5	25





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TIC Library : C:\Database\NIST11.L
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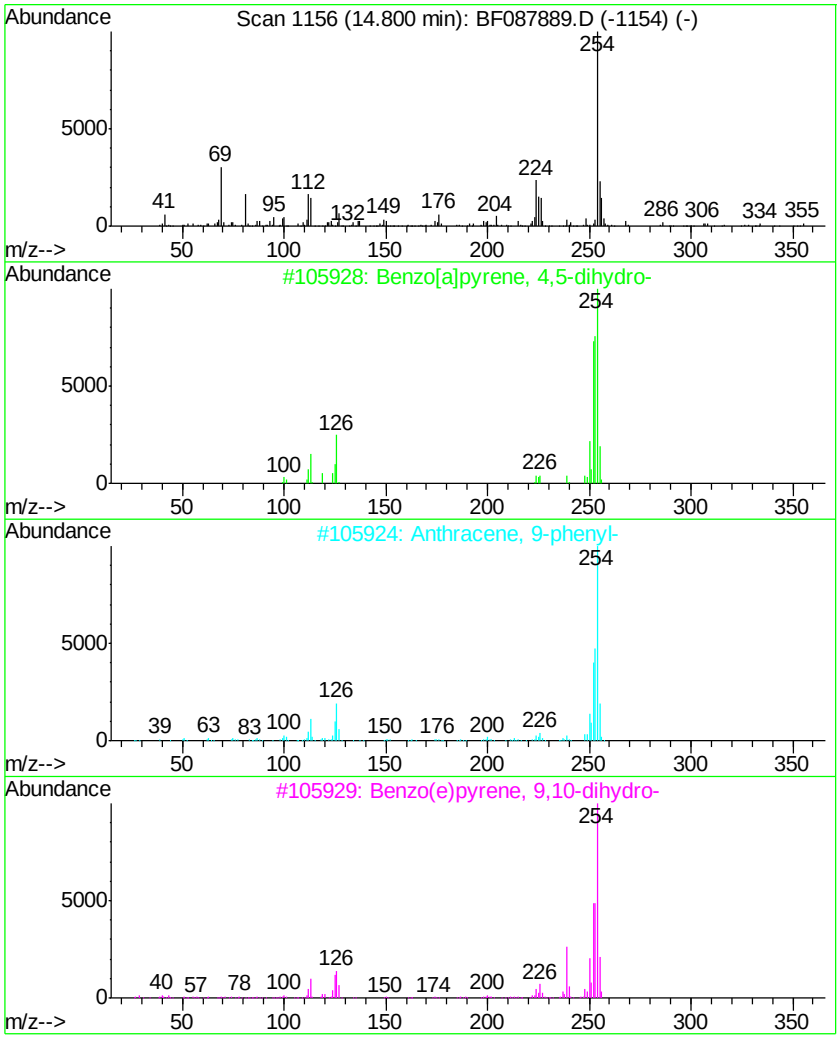
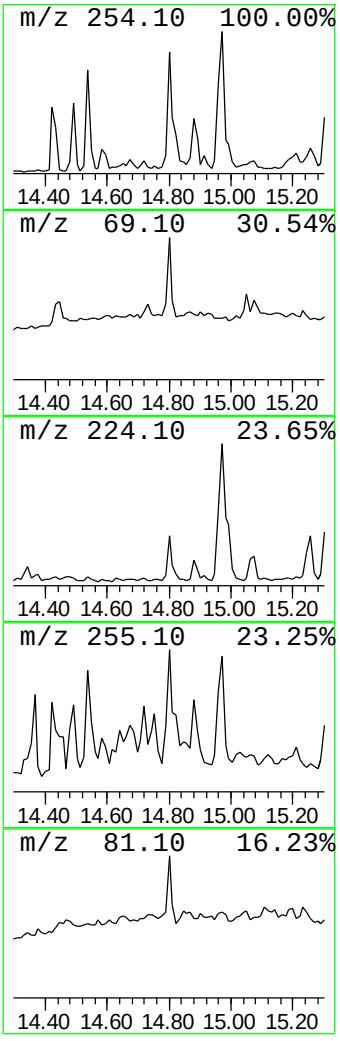
Peak Number 17 Benzo[a]pyrene, 4,5-dihydro- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	10.18 ng	245920	Perylene-d12	15.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	64
2	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	59
3	Benzo(e)pyrene, 9,10-dihydro-	254	C20H14	066788-01-0	59
4	3-Hydroxy-1-methoxyanthraquinone	254	C15H10O4	028504-24-7	58
5	9,10-Anthracenedione, 1,8-dihydr...	254	C15H10O4	000481-74-3	52





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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
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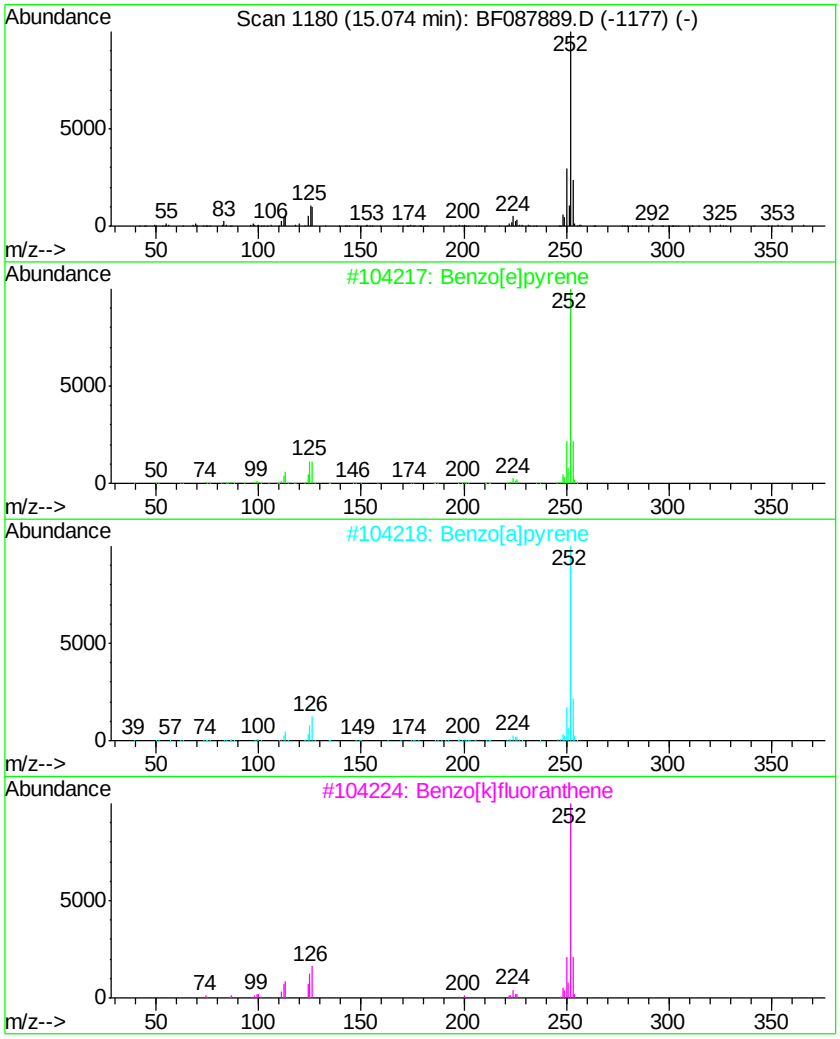
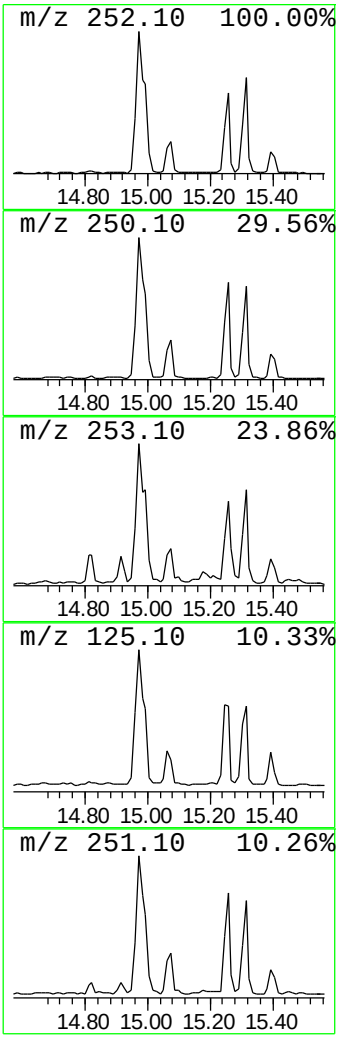
Peak Number 18 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	11.80 ng	284909	Perylene-d12	15.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	90
2	Benzo[a]pyrene	252	C20H12	000050-32-8	90
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	87
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	81





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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STA-964-PLATFORM(0-4)

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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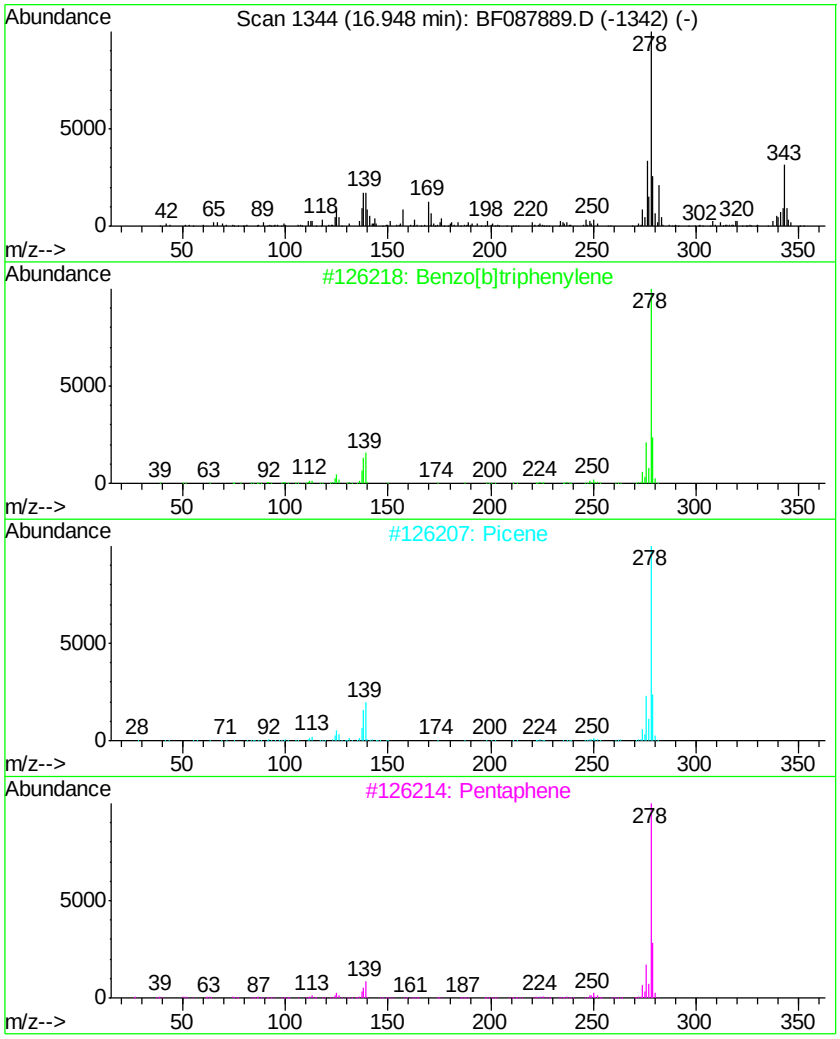
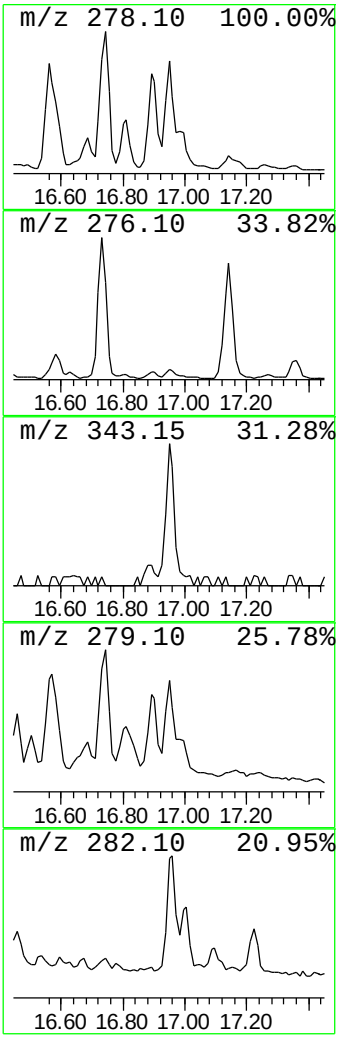
Peak Number 20 Benzo[b]triphenylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.95	7.93 ng	191432	Perylene-d12	15.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	95
2	Picene	278	C22H14	000213-46-7	95
3	Pentaphene	278	C22H14	000222-93-5	90
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	89
5	Benzo[b]chrysene	278	C22H14	000214-17-5	70





Tentatively Identified Compound (LSC) summary

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Data File : BF087889.D
Acq On : 10 Jun 2016 22:15
Operator : UM/SJ
Sample : H3395-19
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STA-964-PLATFORM(0-4)

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
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unknown6.58	6.58	61.5	ng	2233820	1	6.81	726956	20.0
Hexadecane, 7,9-d...	10.77	10.4	ng	396934	4	11.33	762248	20.0
unknown11.07	11.07	5.7	ng	218415	4	11.33	762248	20.0
Phenanthrene, 1-m...	11.83	5.9	ng	226239	4	11.33	762248	20.0
Phenanthrene, 2-m...	11.85	7.9	ng	301432	4	11.33	762248	20.0
1H-Cyclopropa[l]p...	11.93	13.6	ng	516841	4	11.33	762248	20.0
Naphthalene, 2-ph...	12.13	8.7	ng	332960	4	11.33	762248	20.0
Phenanthrene, 2,5...	12.38	8.3	ng	315744	4	11.33	762248	20.0
1,3-Butadiene, 1,...	12.41	7.3	ng	276422	4	11.33	762248	20.0
Cyclopenta(def)ph...	12.46	5.2	ng	197762	4	11.33	762248	20.0
11H-Benzo[b]fluorene	13.09	5.9	ng	529612	5	13.95	1789870	20.0
Tetracosane	14.73	6.8	ng	164374	6	15.37	483071	20.0
Benzo[a]pyrene, 4...	14.80	10.2	ng	245920	6	15.37	483071	20.0
Benzo[e]pyrene	15.07	11.8	ng	284909	6	15.37	483071	20.0
Benzo[b]triphenylene	16.95	7.9	ng	191432	6	15.37	483071	20.0