LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
Data File : BF092598.D
Acq On : 28 Jan 2017 1:33
Operator : SJ/MA
Sample : I1531-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EDC-HPRR-S4C4

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-BF012417.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	4.841	239	241	249	rVB	41342	60029	1.02%	0.074%
2	5.173	267	270	278	rBV	1587858	2415924	41.25%	2.983%
3	5.607	305	308	310	rBV	3964978	5660334	96.64%	6.988%
4	6.213	358	361	364	rBV3	41676	75132	1.28%	0.093%
5	6.407	375	378	380	rBV2	30152	68529	1.17%	0.085%
6	6.499	384	386	389	rBV3	94675	158539	2.71%	0.196%
7	6.556	389	391	394	rBV2	35539	71070	1.21%	0.088%
8	6.636	394	398	400	rBV	3573107	5857119	100.00%	7.231%
9	6.750	406	408	411	rVB	4424460	4778145	81.58%	5.899%
10	6.807	411	413	414	rBV2	184700	223477	3.82%	0.276%
11	6.933	419	424	425	rBV3	31888	61196	1.04%	0.076%
12	6.979	425	428	430	rVV	1096460	1159333	19.79%	1.431%
13	7.082	434	437	439	rVB3	27582	61773	1.05%	0.076%
14	7.139	439	442	444	rBV	3841020	4411577	75.32%	5.447%
15	7.253	449	452	453	rVB2	111789	162881	2.78%	0.201%
16	7.310	453	457	460	rBV3	78117	193842	3.31%	0.239%
17	7.367	460	462	467	rVB5	116363	214665	3.67%	0.265%
18	7.550	472	478	479	rVV	3053829	3732710	63.73%	4.608%
19	7.573	479	480	482	rVV	242847	190978	3.26%	0.236%
20	7.619	482	484	486	rVV2	78558	129120	2.20%	0.159%
21	7.664	486	488	492	rVV2	30164	67985	1.16%	0.084%
22	7.733	492	494	497	rVV3	52492	83464	1.43%	0.103%
23	7.779	497	498	502	rVB3	58901	66374	1.13%	0.082%
24	8.007	514	518	521	rBV3	70801	137305	2.34%	0.170%
25	8.270	538	541	542	rBV	1407220	1350785	23.06%	1.668%
26	8.293	542	543	544	rVB	168090	115355	1.97%	0.142%
27	8.990	601	604	605	rVB	91420	123829	2.11%	0.153%
28	9.047	605	609	610	rBV	40105	63240	1.08%	0.078%
29	9.082	610	612	614	rVB	114793	115703	1.98%	0.143%
30	9.287	626	630	633	rBV4	34786	67522	1.15%	0.083%
31	9.356	633	636	638	rBV	5173253	5184791	88.52%	6.401%
32	9.447	643	644	647	rVB	42853	61388	1.05%	0.076%
33	9.550	651	653	656	rVB	47248	61420	1.05%	0.076%
34	9.619	656	659	662	rBV	110060	169797	2.90%	0.210%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
Data File : BF092598.D
Acq On : 28 Jan 2017 1:33
Operator : SJ/MA
Sample : I1531-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EDC-HPRR-S4C4

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-BF012417.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.687	663	665	667	rBV2	158764	207328	3.54%	0.256%
36	9.745	668	670	673	rVB	678073	619423	10.58%	0.765%
37	9.813	673	676	678	rVB	51447	74752	1.28%	0.092%
38	9.893	681	683	685	rBV	221051	198367	3.39%	0.245%
39	9.962	685	689	690	rBV2	67300	91969	1.57%	0.114%
40	10.030	693	695	697	rBV	978085	1159847	19.80%	1.432%
41	10.065	697	698	700	rVB	559096	488564	8.34%	0.603%
42	10.133	702	704	707	rBV	59326	95327	1.63%	0.118%
43	10.190	707	709	711	rBV2	99241	126847	2.17%	0.157%
44	10.236	711	713	715	rVB	300130	303219	5.18%	0.374%
45	10.282	715	717	719	rVB2	87208	103201	1.76%	0.127%
46	10.350	721	723	724	rBV	113425	122506	2.09%	0.151%
47	10.385	724	726	729	rVB2	81681	108817	1.86%	0.134%
48	10.465	729	733	734	rBV3	198860	367435	6.27%	0.454%
49	10.579	741	743	746	rBV	352034	488402	8.34%	0.603%
50	10.648	746	749	750	rBV2	119574	162128	2.77%	0.200%
51	10.739	756	757	759	rVB	149890	135598	2.32%	0.167%
52	10.830	762	765	767	rVV	2285120	2334698	39.86%	2.882%
53	10.865	767	768	770	rVB2	48662	61652	1.05%	0.076%
54	10.945	772	775	778	rBV2	201331	389356	6.65%	0.481%
55	11.025	780	782	783	rBV2	63133	61474	1.05%	0.076%
56	11.128	788	791	793	rBV3	155013	320615	5.47%	0.396%
57	11.162	793	794	796	rVV	142176	109227	1.86%	0.135%
58	11.219	798	799	800	rVB	101779	69820	1.19%	0.086%
59	11.288	800	805	807	rBV3	145581	410570	7.01%	0.507%
60	11.333	807	809	811	rBV	142879	124475	2.13%	0.154%
61	11.391	811	814	815	rBV2	215503	336949	5.75%	0.416%
62	11.425	815	817	820	rVB2	255469	279162	4.77%	0.345%
63	11.528	824	826	827	rBV	1077083	1115871	19.05%	1.378%
64	11.551	827	828	830	rVV	2373998	2720993	46.46%	3.359%
65	11.608	830	833	834	rVB	1143243	1098350	18.75%	1.356%
66	11.642	834	836	837	rBV2	116111	157229	2.68%	0.194%
67	11.768	844	847	849	rBV3	217059	306653	5.24%	0.379%
68	11.813	849	851	854	rVV2	154621	225303	3.85%	0.278%
69	11.859	854	855	857	rVV2	122240	115615	1.97%	0.143%
70	12.031	868	870	871	rBV	498318	477263	8.15%	0.589%
71	12.065	871	873	875	rVV	471187	600716	10.26%	0.742%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
Data File : BF092598.D
Acq On : 28 Jan 2017 1:33
Operator : SJ/MA
Sample : I1531-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EDC-HPRR-S4C4

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-BF012417.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.111	875	877	878	rVV	303027	355408	6.07%	0.439%
73	12.145	878	880	884	rVB2	811817	1182568	20.19%	1.460%
74	12.328	894	896	897	rBV	359341	306359	5.23%	0.378%
75	12.476	907	909	910	rBV	146958	118560	2.02%	0.146%
76	12.511	910	912	913	rBV	156374	126790	2.16%	0.157%
77	12.579	916	918	920	rBV	311003	477870	8.16%	0.590%
78	12.625	920	922	925	rVV2	165428	279426	4.77%	0.345%
79	12.671	925	926	929	rVB2	231081	235426	4.02%	0.291%
80	12.751	930	933	935	rVV	3315127	3654769	62.40%	4.512%
81	12.808	935	938	940	rVV3	75257	146120	2.49%	0.180%
82	12.979	950	953	956	rBV	2912896	4426029	75.57%	5.464%
83	13.025	956	957	960	rVB2	190506	230869	3.94%	0.285%
84	13.116	961	965	969	rBV	2526991	3972645	67.83%	4.905%
85	13.196	970	972	974	rVB2	254075	419519	7.16%	0.518%
86	13.414	989	991	992	rBV2	382819	448790	7.66%	0.554%
87	13.505	997	999	1000	rVV	220138	174065	2.97%	0.215%
88	13.928	1034	1036	1037	rBV2	266565	378155	6.46%	0.467%
89	14.168	1055	1057	1059	rBV2	1302946	2164232	36.95%	2.672%
90	15.242	1148	1151	1155	rBV	934551	2094340	35.76%	2.586%
91	15.551	1176	1178	1181	rVB	542525	743562	12.70%	0.918%
92	15.620	1181	1184	1186	rVV	829810	1190313	20.32%	1.470%
93	15.677	1187	1189	1199	rVB2	494331	1493449	25.50%	1.844%
94	16.134	1227	1229	1233	rVB	303041	513906	8.77%	0.634%
95	17.197	1319	1322	1326	rVB2	323030	688536	11.76%	0.850%
96	17.654	1359	1362	1370	rVB	332245	893071	15.25%	1.103%
97	18.580	1440	1443	1449	rVB	297999	758387	12.95%	0.936%

Sum of corrected areas: 80998216

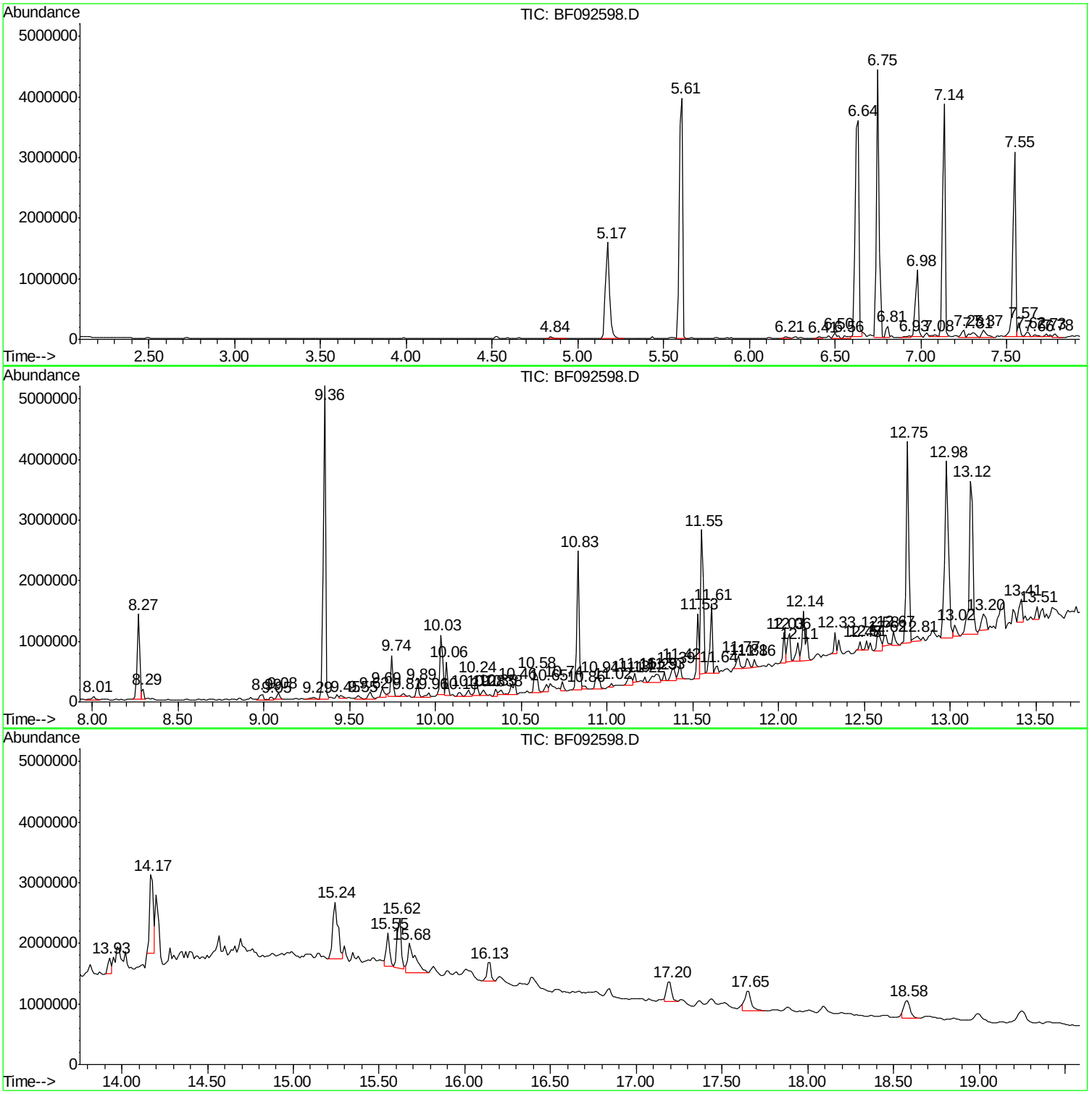
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
Data File : BF092598.D
Acq On : 28 Jan 2017 1:33
Operator : SJ/MA
Sample : I1531-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EDC-HPRR-S4C4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.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\BF012717\
Data File : BF092598.D
Acq On : 28 Jan 2017 1:33
Operator : SJ/MA
Sample : I1531-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EDC-HPRR-S4C4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

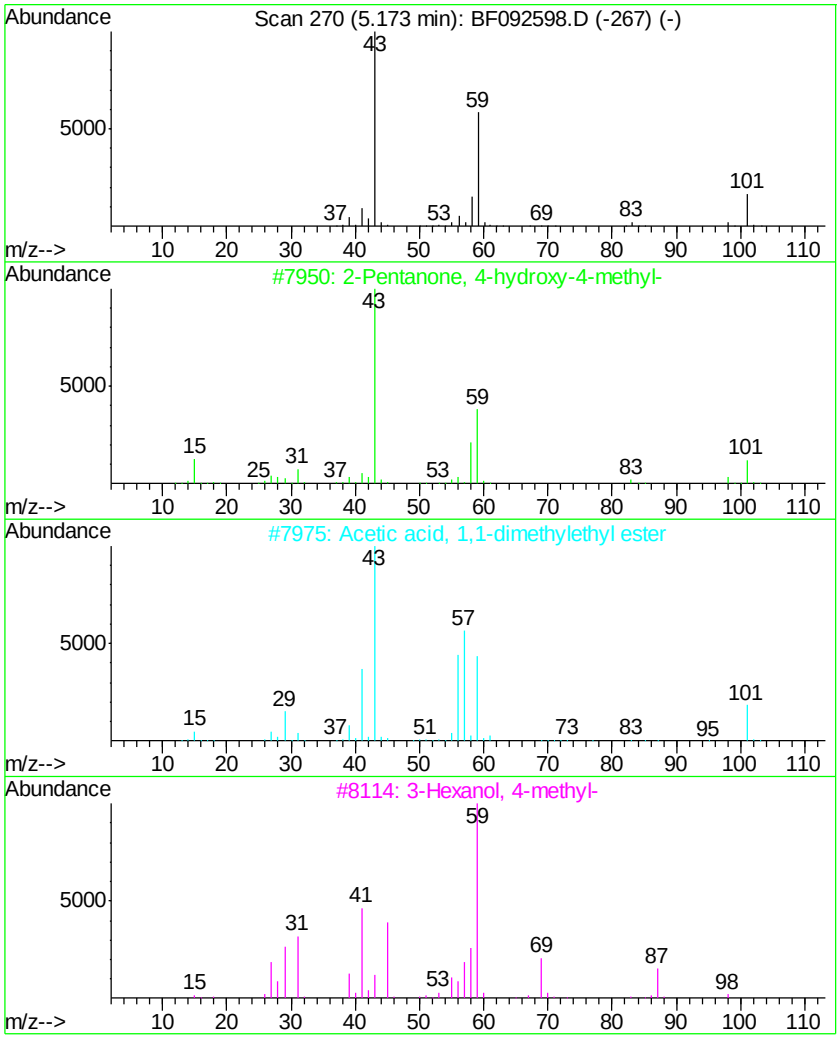
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

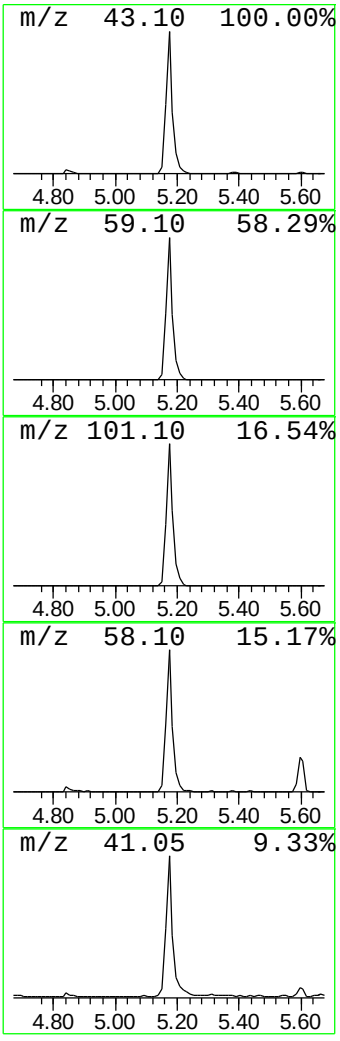
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.17	41.68 ng	2415920	1,4-Dichlorobenzene-d4	6.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
Data File : BF092598.D
Acq On : 28 Jan 2017 1:33
Operator : SJ/MA
Sample : I1531-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EDC-HPRR-S4C4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

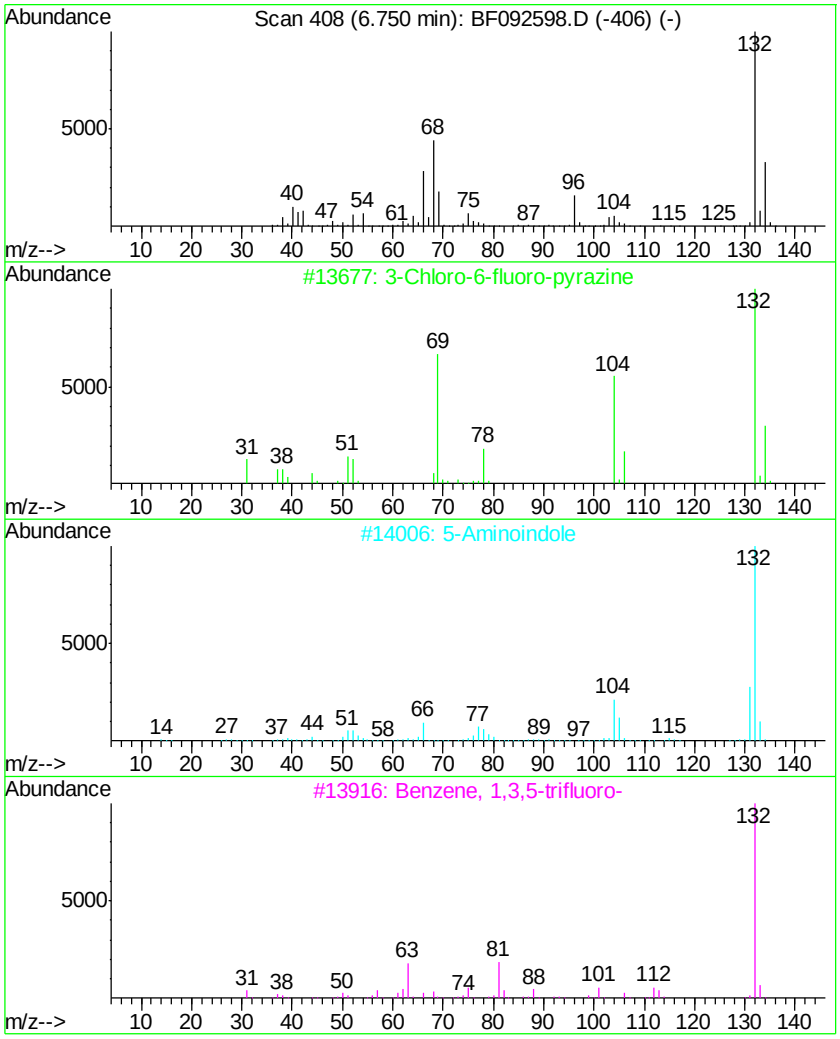
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

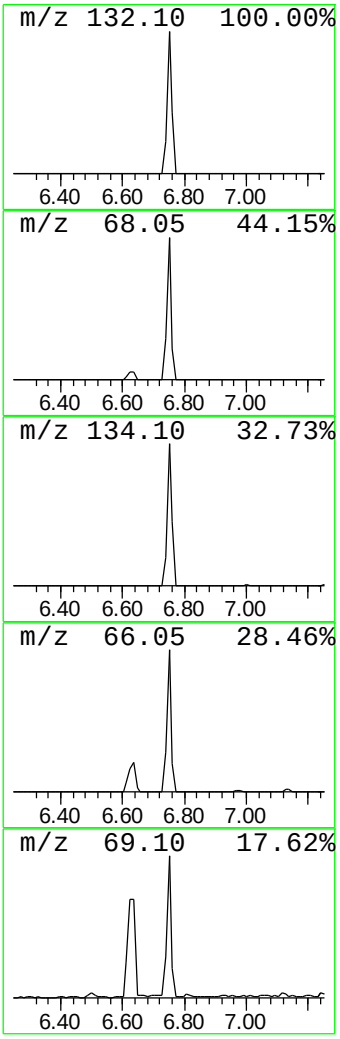
****

Peak Number 2 unknown6.75 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.75	82.43 ng	4778150	1,4-Dichlorobenzene-d4	6.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
Data File : BF092598.D
Acq On : 28 Jan 2017 1:33
Operator : SJ/MA
Sample : I1531-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EDC-HPRR-S4C4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

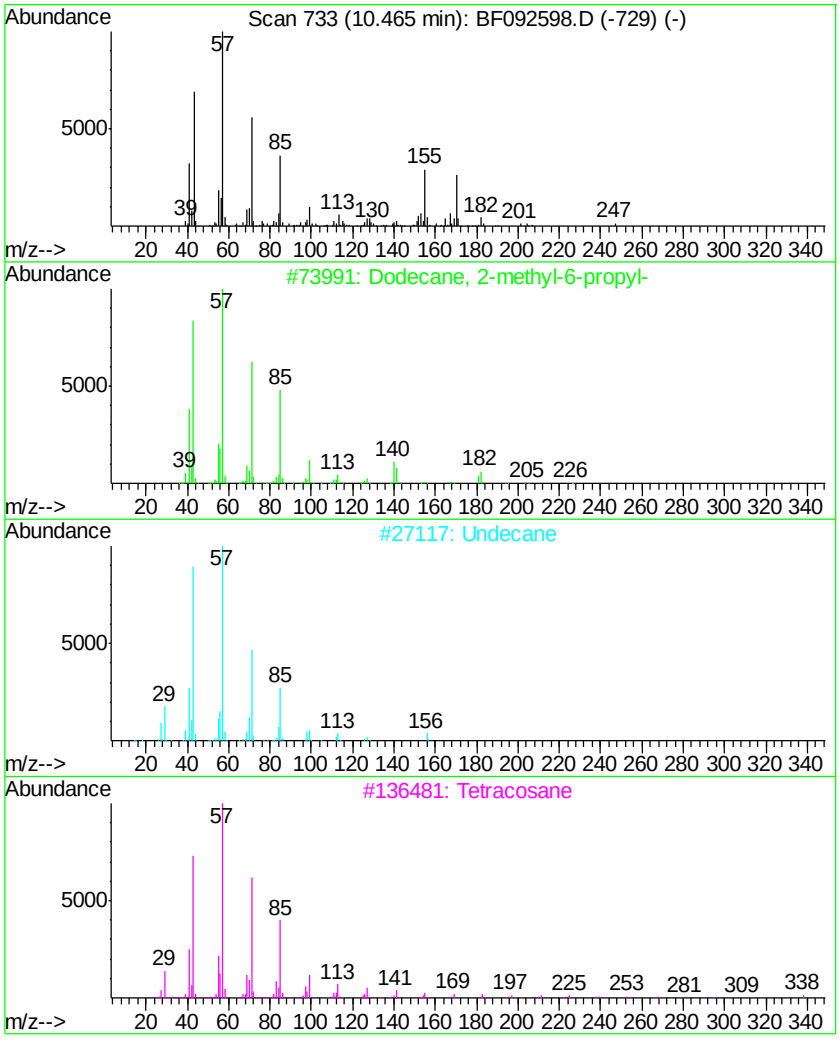
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

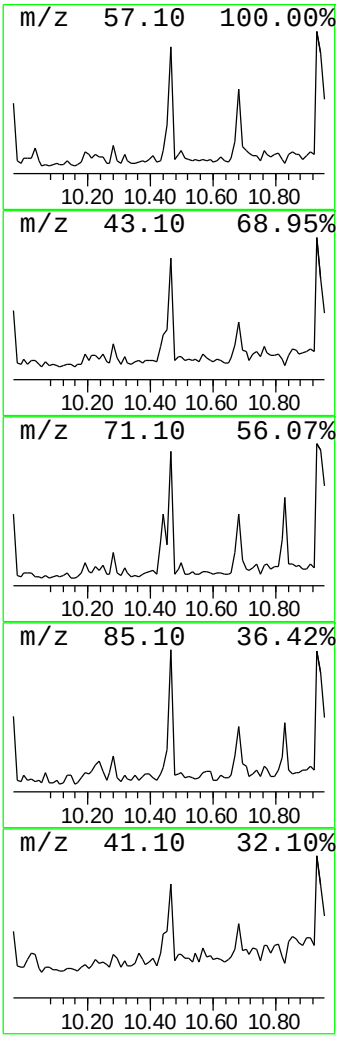
****

Peak Number 4 Dodecane, 2-methyl-6-propyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.46	6.34 ng	367435	Acenaphthene-d10	10.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	58
2	Undecane	156	C11H24	001120-21-4	58
3	Tetracosane	338	C24H50	000646-31-1	53
4	Dodecane	170	C12H26	000112-40-3	52
5	Tridecane	184	C13H28	000629-50-5	49





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
Data File : BF092598.D
Acq On : 28 Jan 2017 1:33
Operator : SJ/MA
Sample : I1531-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EDC-HPRR-S4C4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

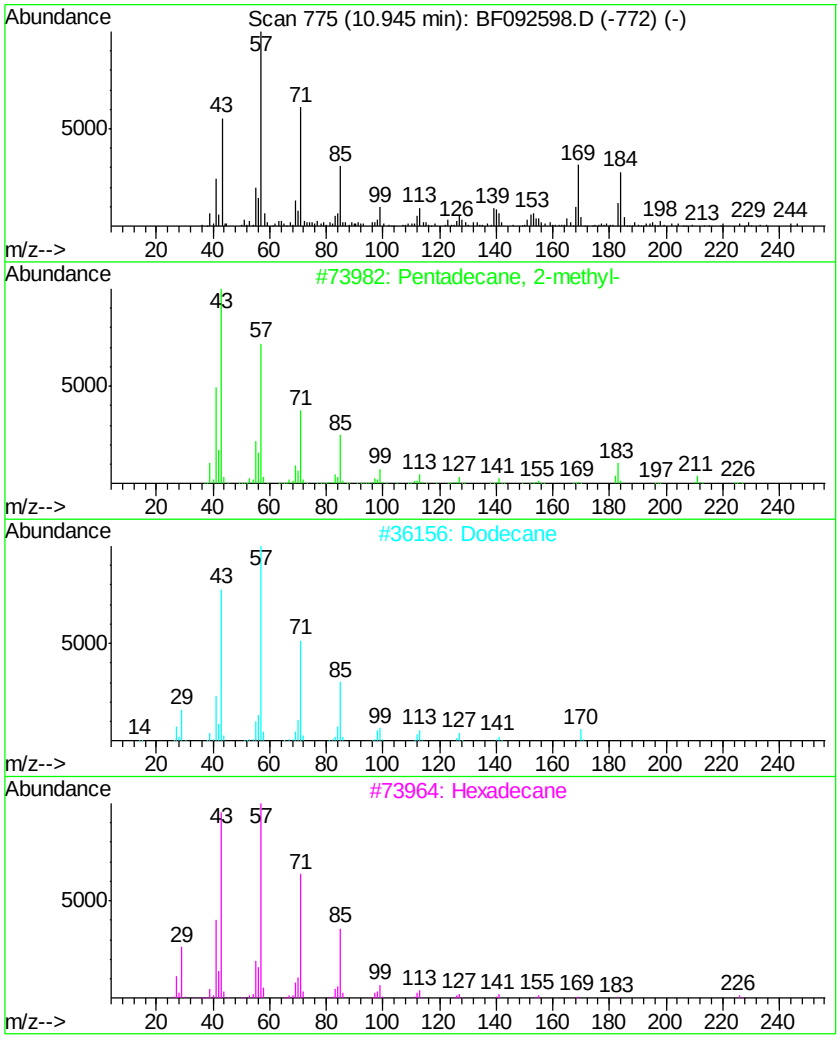
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

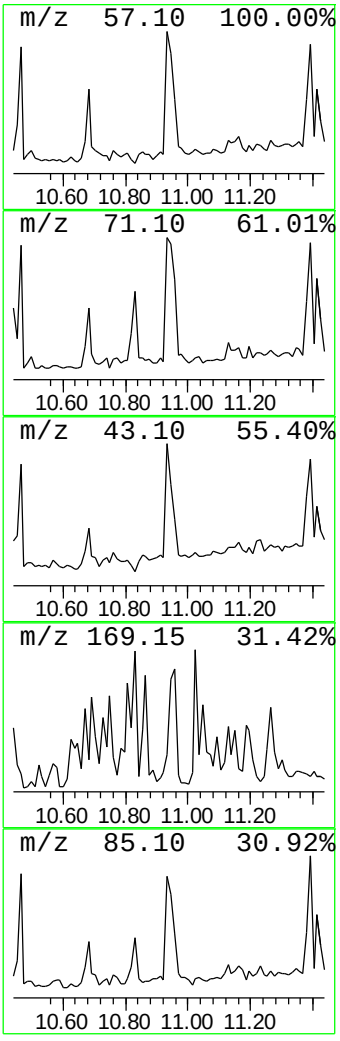
****

Peak Number 5 unknown10.94 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.94	6.98 ng	389356	Phenanthrene-d10	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2-methyl-	226	C16H34	001560-93-6	49
2	Dodecane	170	C12H26	000112-40-3	49
3	Hexadecane	226	C16H34	000544-76-3	46
4	Tetratetracontane	619	C44H90	007098-22-8	46
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	46





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
Data File : BF092598.D
Acq On : 28 Jan 2017 1:33
Operator : SJ/MA
Sample : I1531-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EDC-HPRR-S4C4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

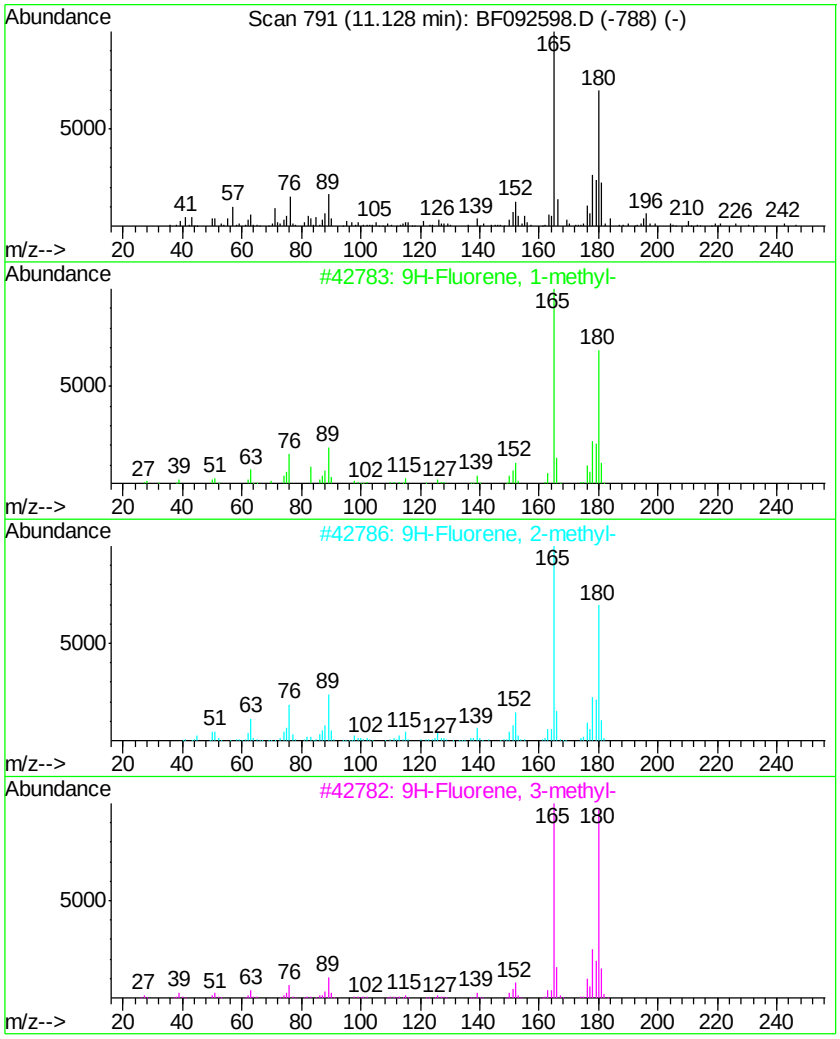
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

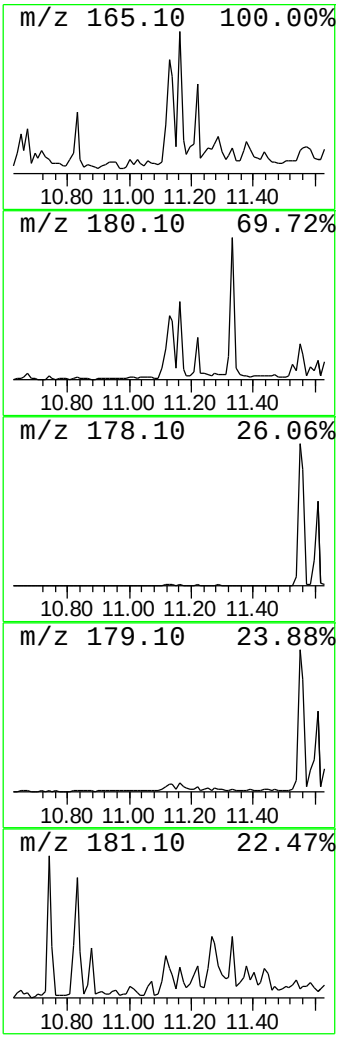
****

Peak Number 6 9H-Fluorene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	5.75 ng	320615	Phenanthrene-d10	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	86
4	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	72
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	70





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
Data File : BF092598.D
Acq On : 28 Jan 2017 1:33
Operator : SJ/MA
Sample : I1531-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EDC-HPRR-S4C4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

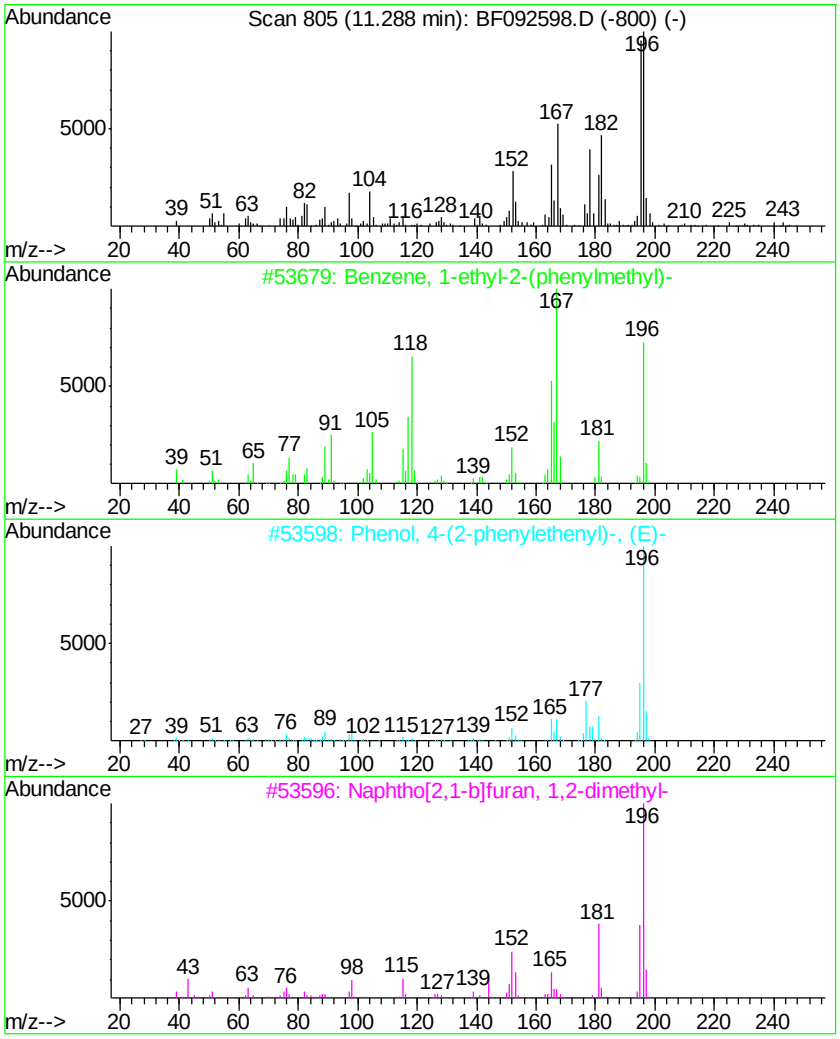
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

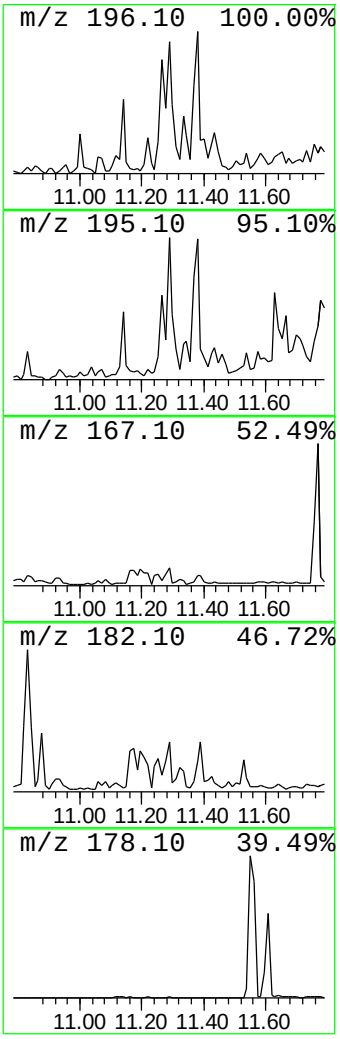
****

Peak Number 7 Benzene, 1-ethyl-2-(phenylm... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	7.36 ng	410570	Phenanthrene-d10	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-(phenylmethyl)-	196	C15H16	028122-25-0	50
2	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	49
3	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	38
4	5,7-Dimethylpyrimido-[3,4-a]-indole	196	C13H12N2	038349-21-2	38
5	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	38





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
Data File : BF092598.D
Acq On : 28 Jan 2017 1:33
Operator : SJ/MA
Sample : I1531-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EDC-HPRR-S4C4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

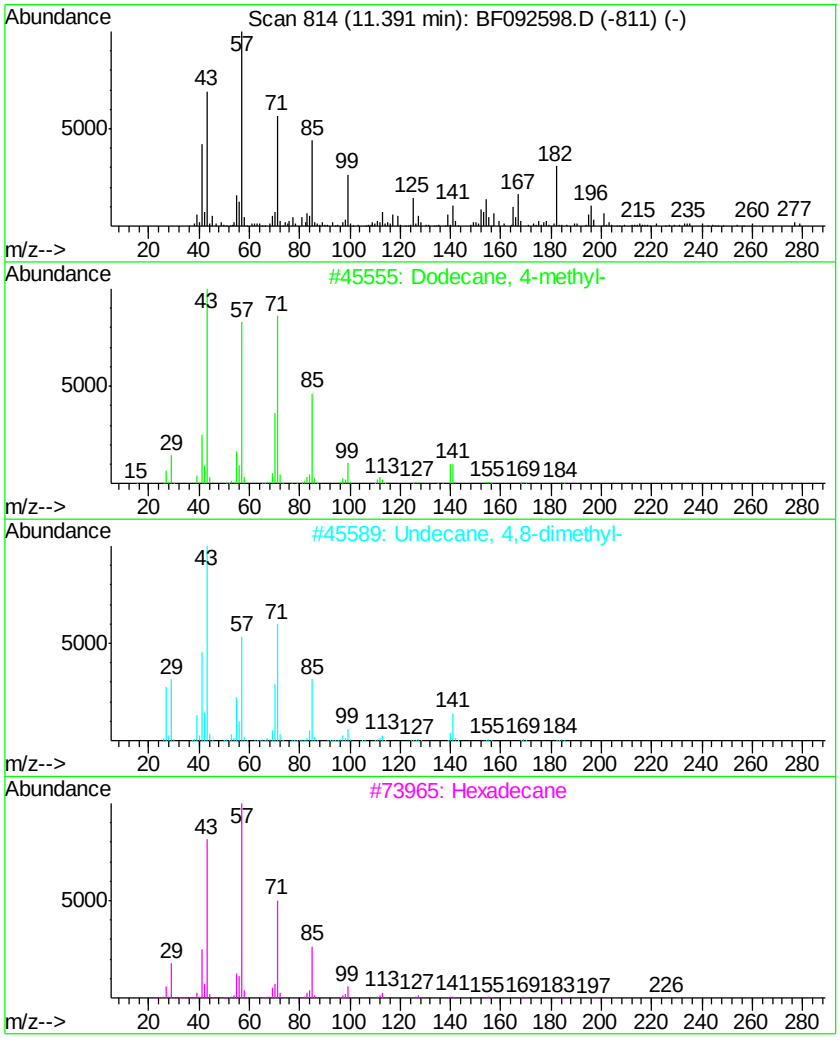
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

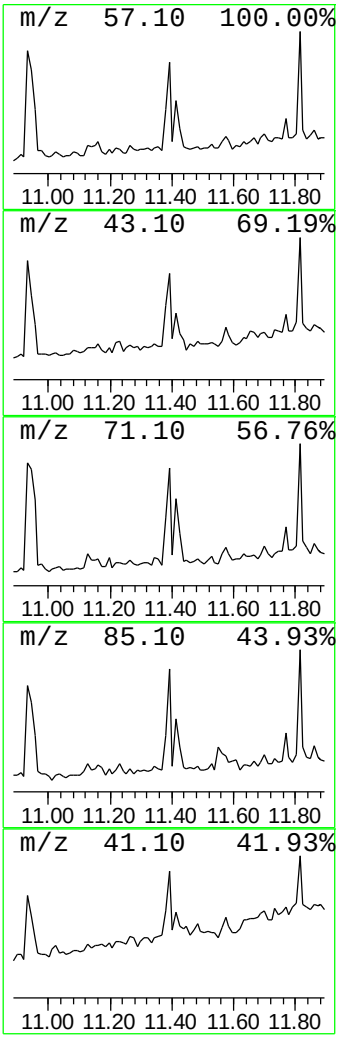
****

Peak Number 8 unknown11.39 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.39	6.04 ng	336949	Phenanthrene-d10	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 4-methyl-	184	C13H28	006117-97-1	30
2	Undecane, 4,8-dimethyl-	184	C13H28	017301-33-6	27
3	Hexadecane	226	C16H34	000544-76-3	25
4	Undecane, 6-ethyl-	184	C13H28	017312-60-6	25
5	1-Iodoundecane	282	C11H23I	004282-44-4	22





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
Data File : BF092598.D
Acq On : 28 Jan 2017 1:33
Operator : SJ/MA
Sample : I1531-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EDC-HPRR-S4C4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

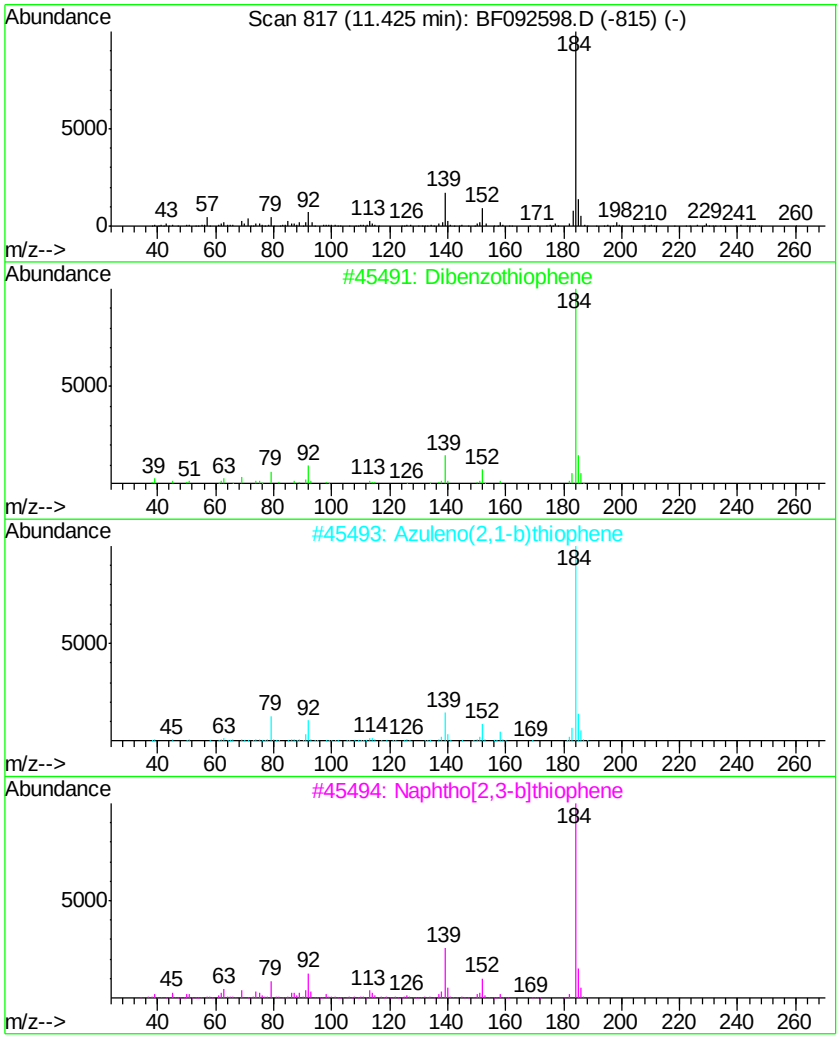
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

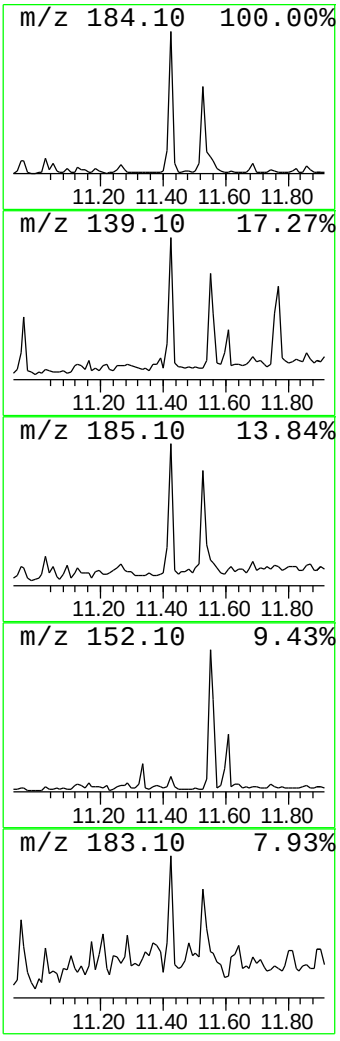
****

Peak Number 9 Dibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.42	5.00 ng	279162	Phenanthrene-d10	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90
4	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72
5	Dibenzothiophene, 5-oxide	200	C12H8OS	001013-23-6	72





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
Data File : BF092598.D
Acq On : 28 Jan 2017 1:33
Operator : SJ/MA
Sample : I1531-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EDC-HPRR-S4C4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

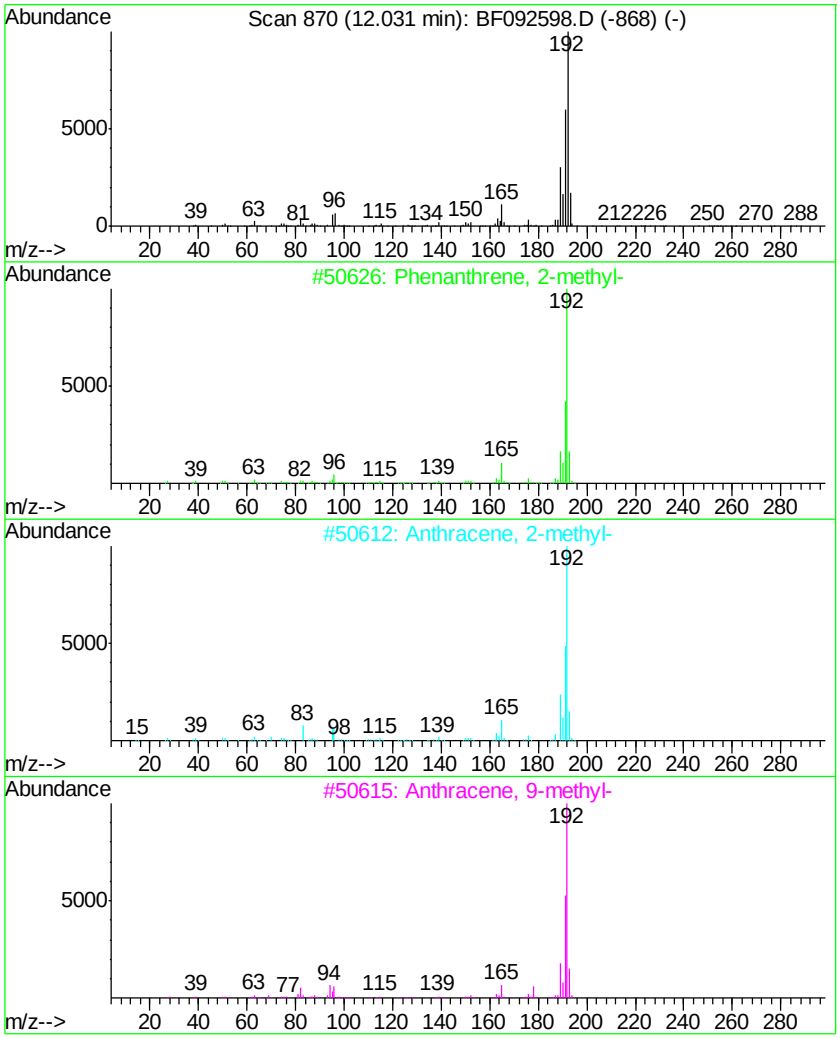
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

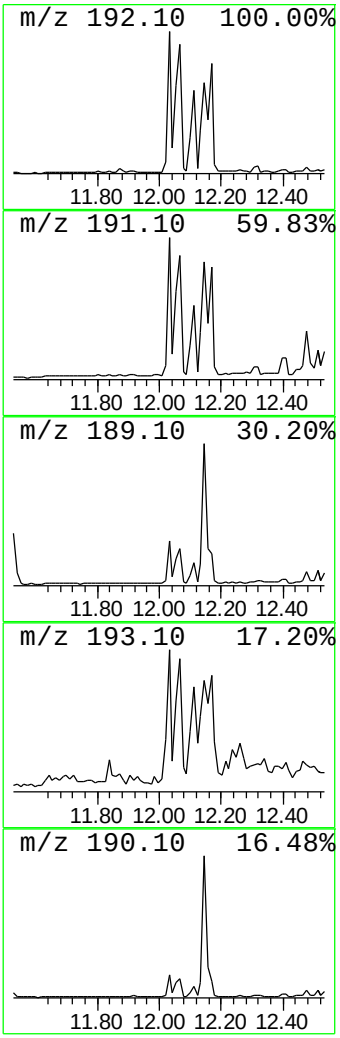
****

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	8.55 ng	477263	Phenanthrene-d10	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
Data File : BF092598.D
Acq On : 28 Jan 2017 1:33
Operator : SJ/MA
Sample : I1531-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EDC-HPRR-S4C4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

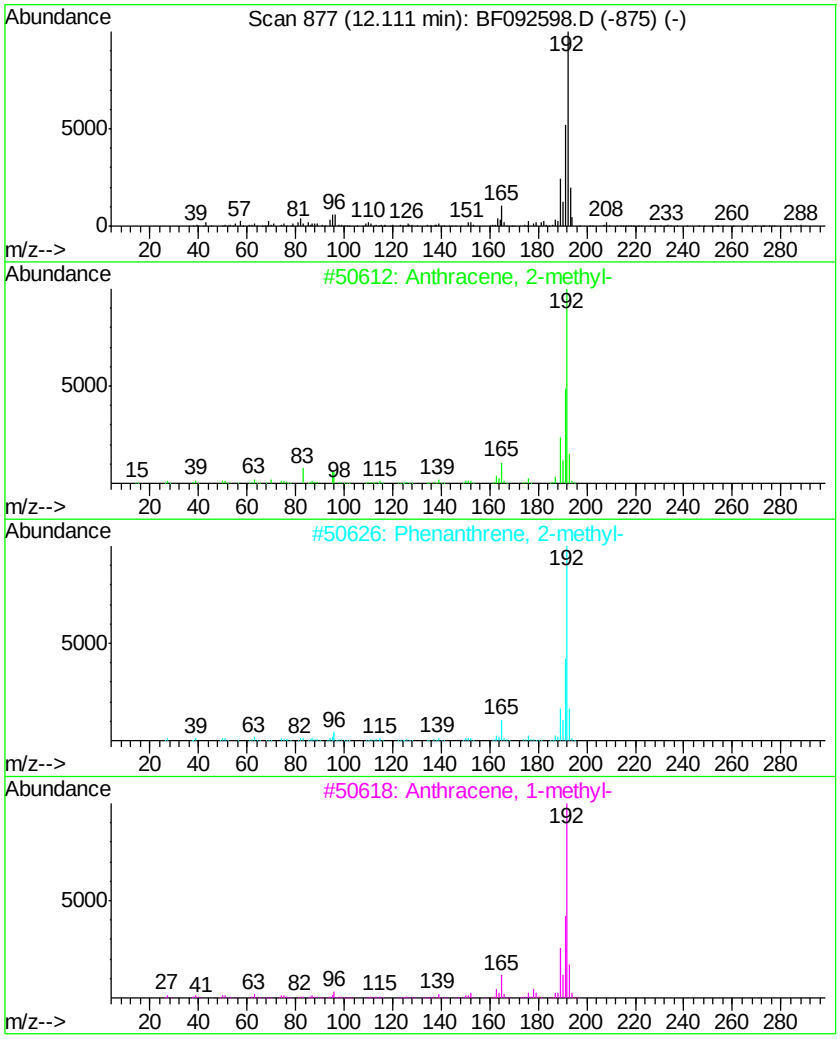
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

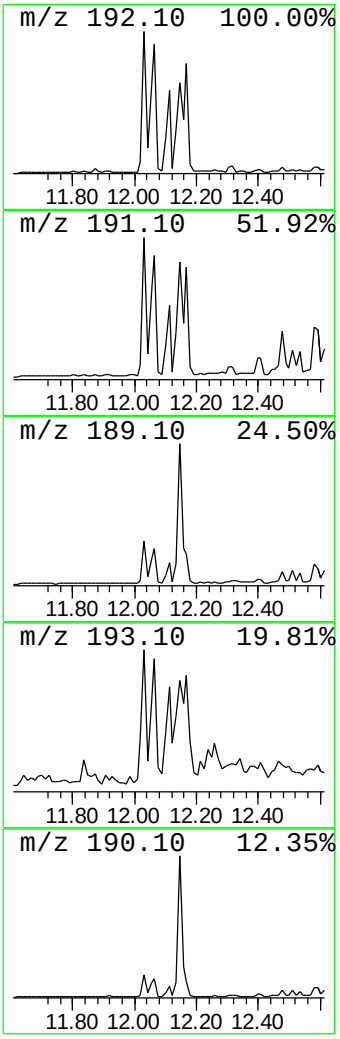
****

Peak Number 12 Anthracene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	6.37 ng	355408	Phenanthrene-d10	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
Data File : BF092598.D
Acq On : 28 Jan 2017 1:33
Operator : SJ/MA
Sample : I1531-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EDC-HPRR-S4C4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

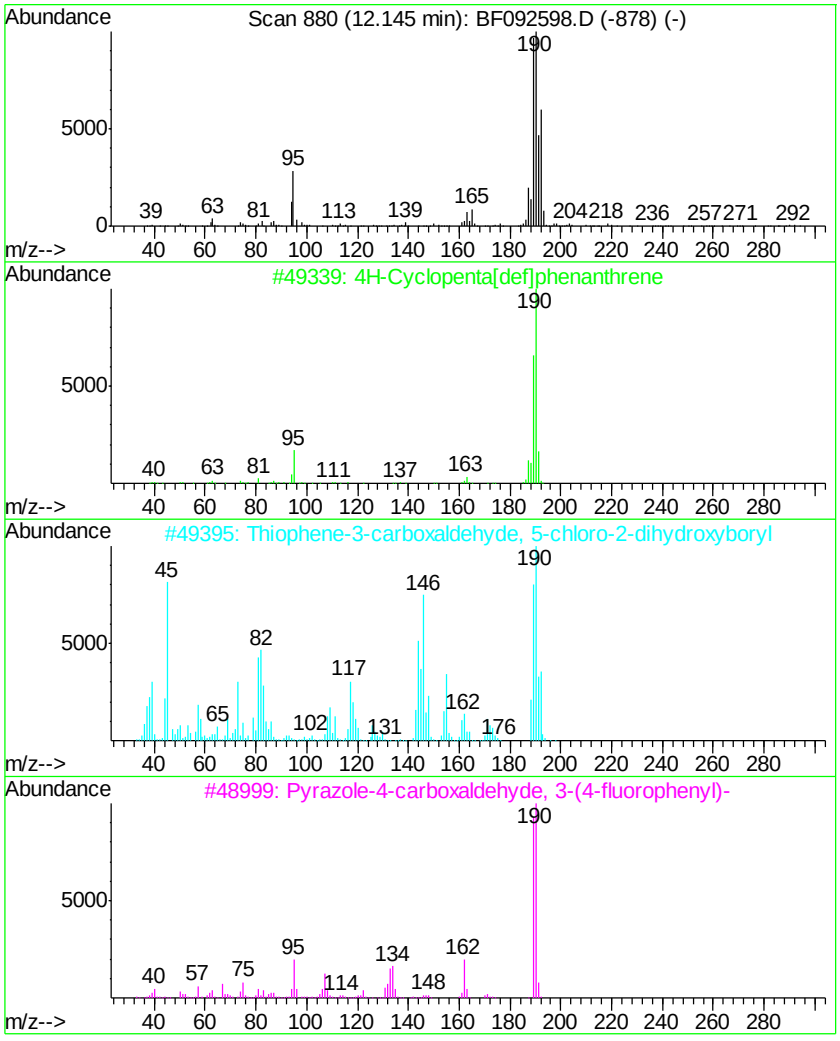
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

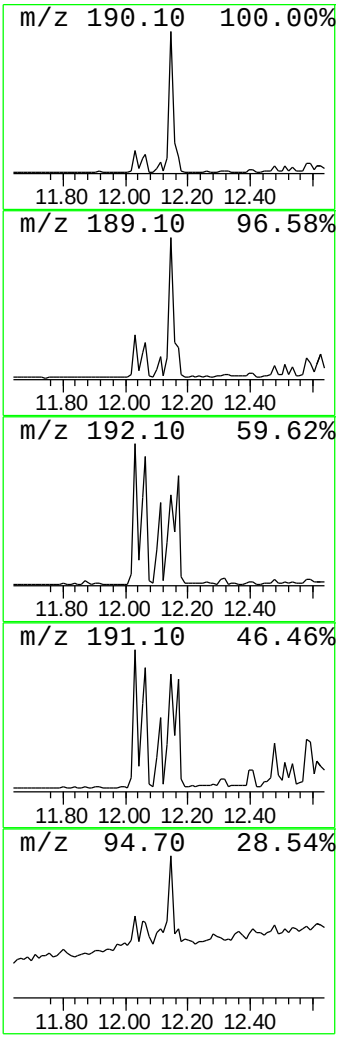
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	21.20 ng	1182570	Phenanthrene-d10	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	47
4	4-Oxo-2-(4-fluorophenyl)-3,4-dih...	190	C10H7FN2O	076128-79-5	22
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	20





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
Data File : BF092598.D
Acq On : 28 Jan 2017 1:33
Operator : SJ/MA
Sample : I1531-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EDC-HPRR-S4C4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

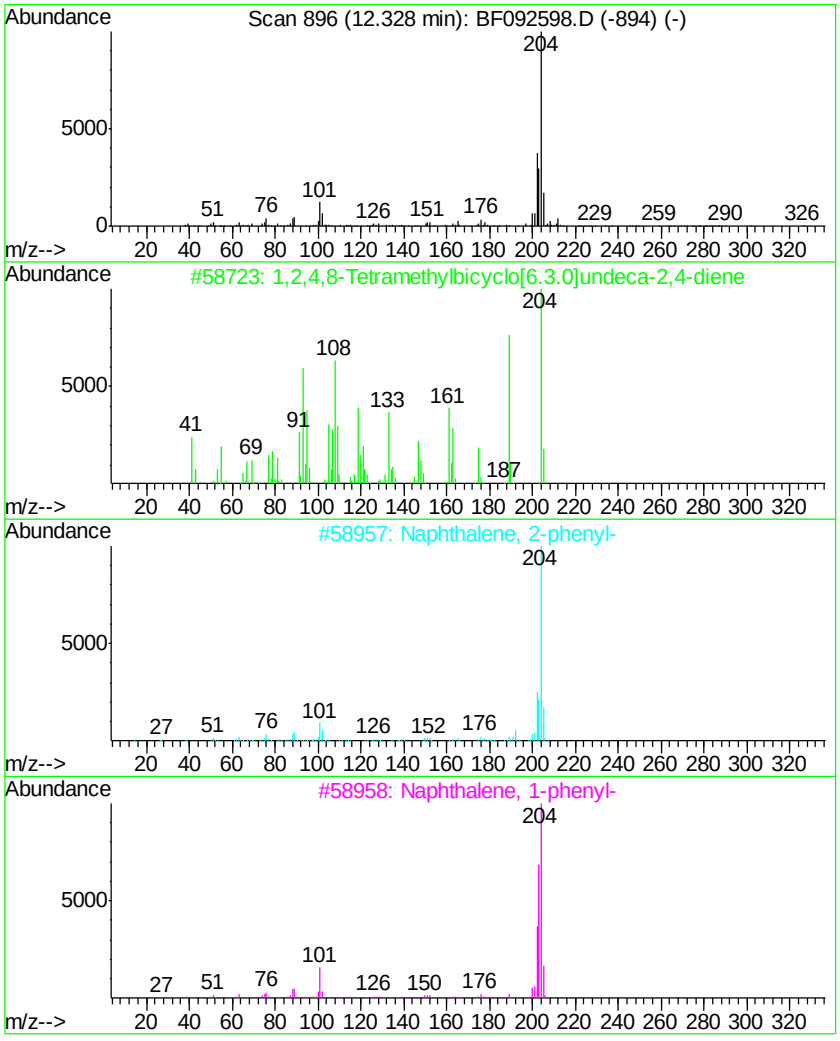
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

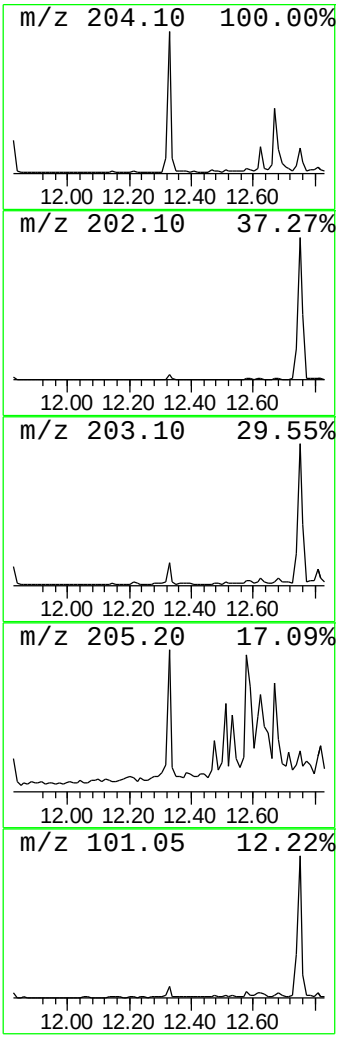
****

Peak Number 14 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	5.49 ng	306359	Phenanthrene-d10	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	90
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
4	2-Phenylnaphthalene	204	C16H12	035465-71-5	81
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
Data File : BF092598.D
Acq On : 28 Jan 2017 1:33
Operator : SJ/MA
Sample : I1531-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EDC-HPRR-S4C4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

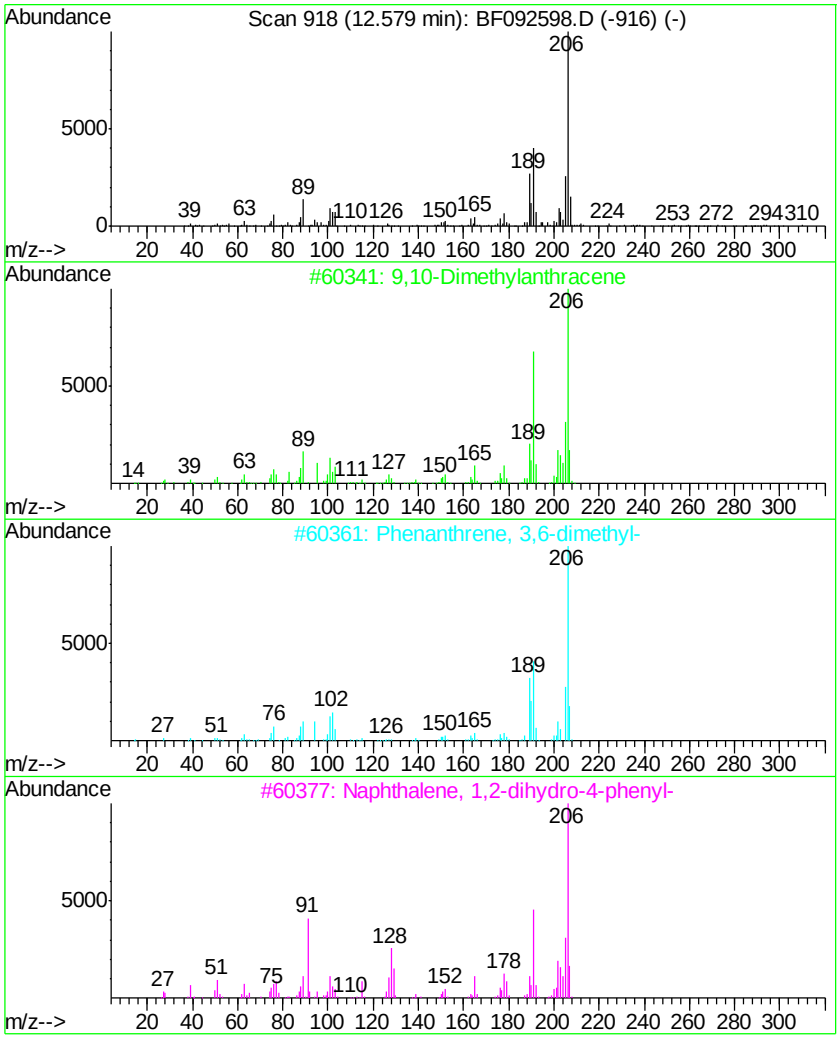
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

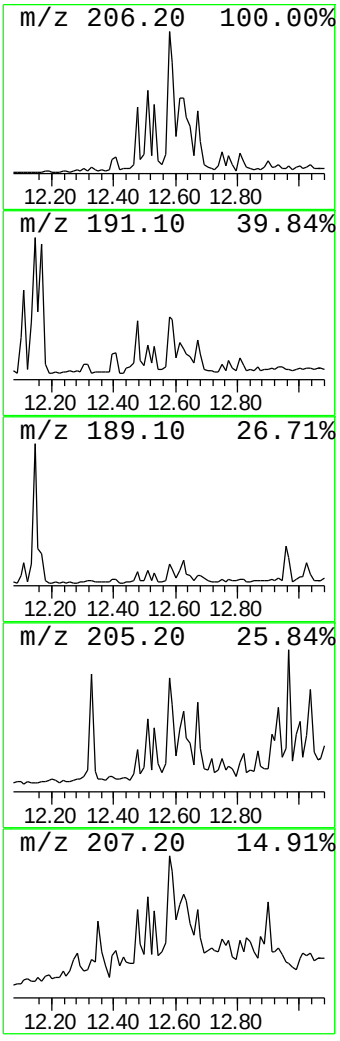
****

Peak Number 15 9,10-Dimethylanthracene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.58	8.56 ng	477870	Phenanthrene-d10	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	90
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	90





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
Data File : BF092598.D
Acq On : 28 Jan 2017 1:33
Operator : SJ/MA
Sample : I1531-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EDC-HPRR-S4C4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

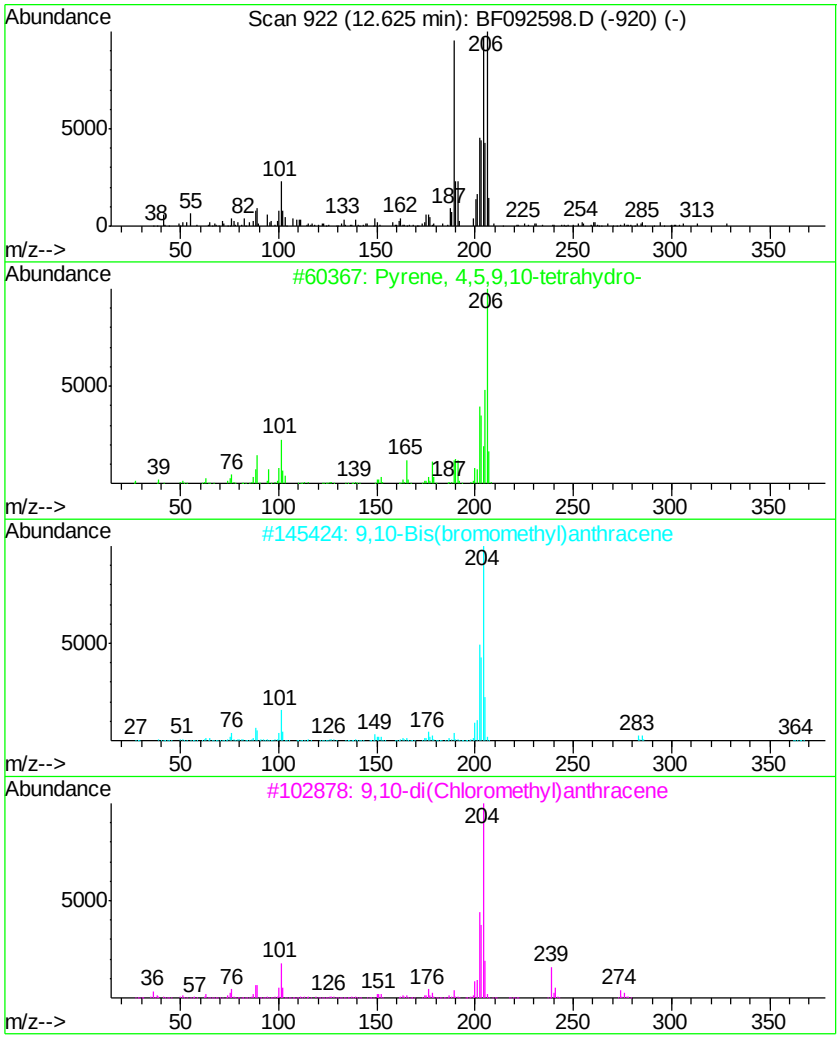
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

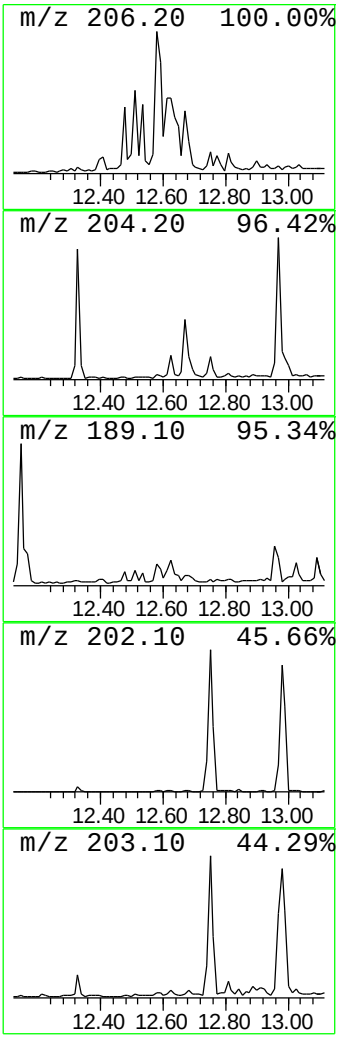
****

Peak Number 16 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	5.01 ng	279426	Phenanthrene-d10	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	60
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	35
4	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	30
5	2-Acetyl-3,7-dimethylbenzo(b)thi...	204	C12H12OS	006179-06-2	27





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
Data File : BF092598.D
Acq On : 28 Jan 2017 1:33
Operator : SJ/MA
Sample : I1531-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EDC-HPRR-S4C4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

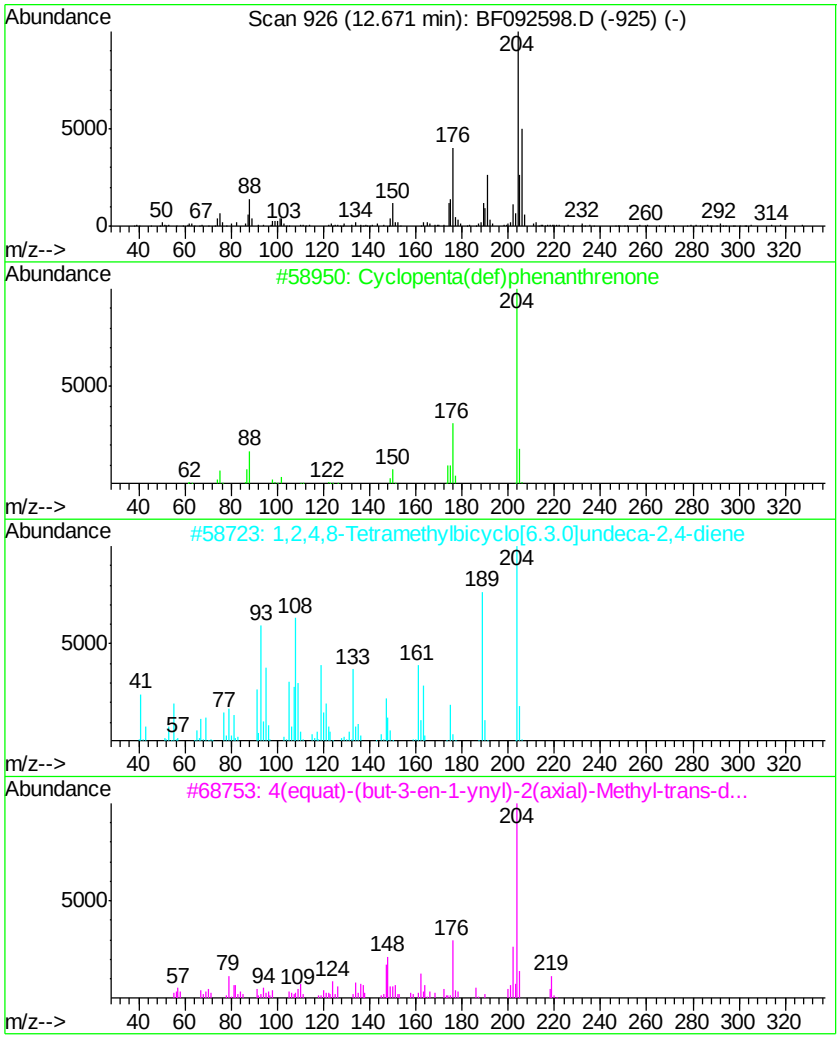
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

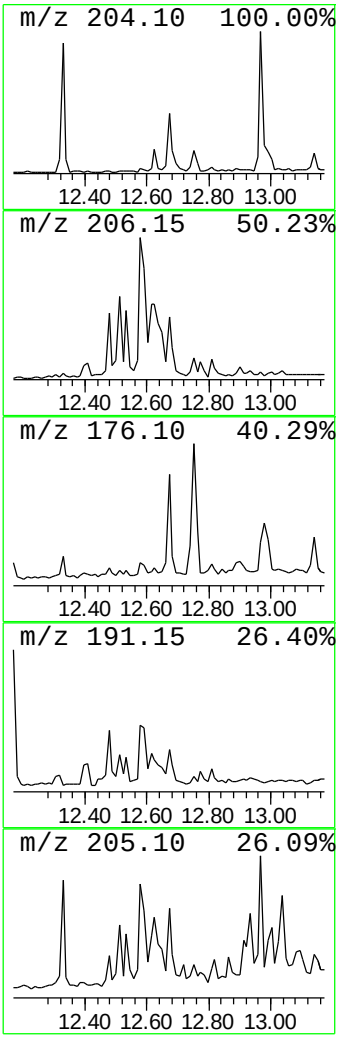
****

Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	4.22 ng	235426	Phenanthrene-d10	11.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41
3	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	38
4	2,4(1H,3H)-Pyrimidinedione, 5-br...	204	C5H5BrN2O2	015018-56-1	38
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	35





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
Data File : BF092598.D
Acq On : 28 Jan 2017 1:33
Operator : SJ/MA
Sample : I1531-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EDC-HPRR-S4C4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

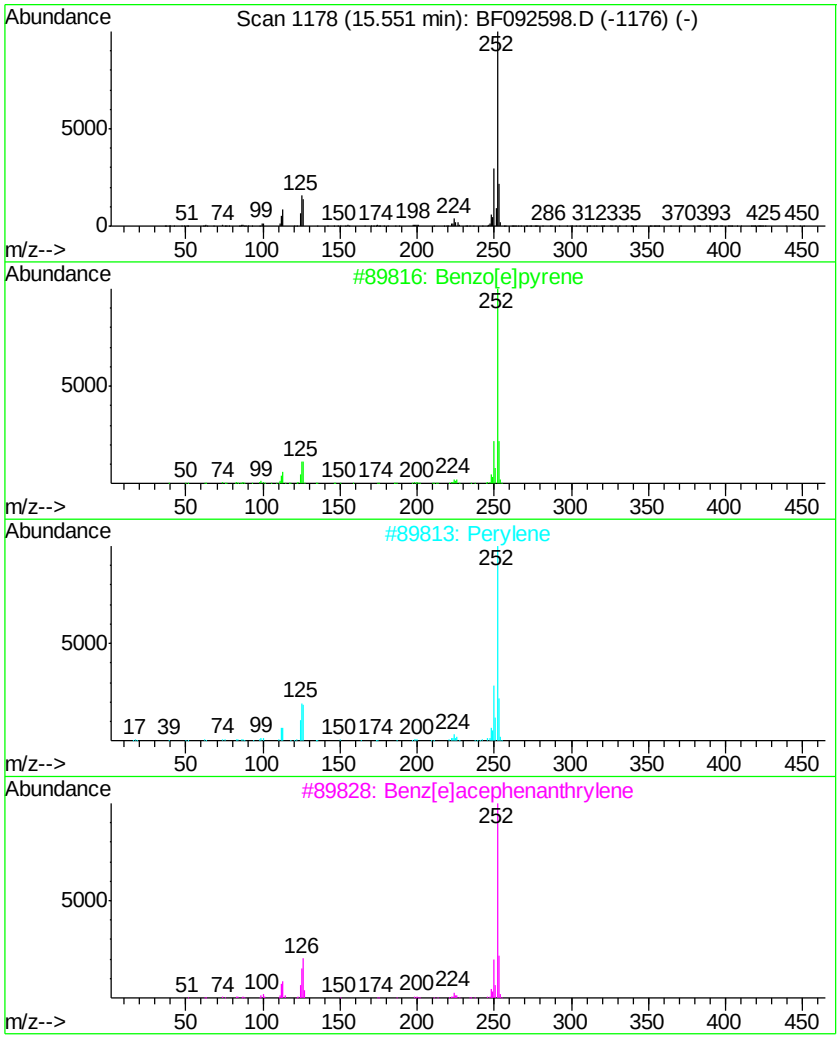
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

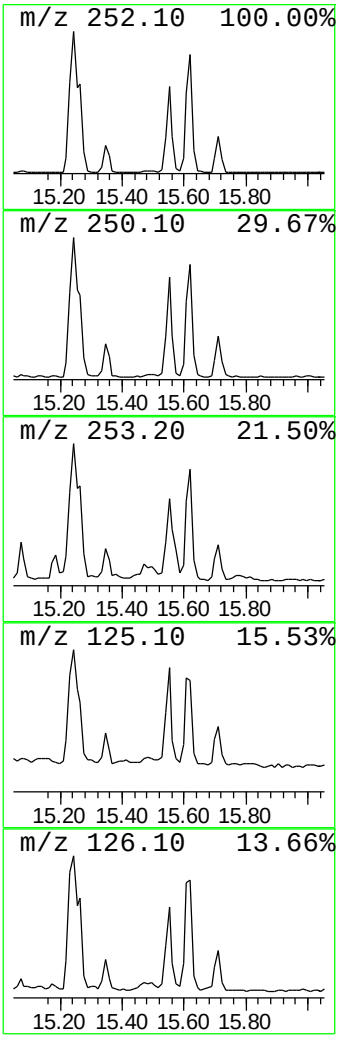
****

Peak Number 18 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	9.96 ng	743562	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
Data File : BF092598.D
Acq On : 28 Jan 2017 1:33
Operator : SJ/MA
Sample : I1531-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EDC-HPRR-S4C4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

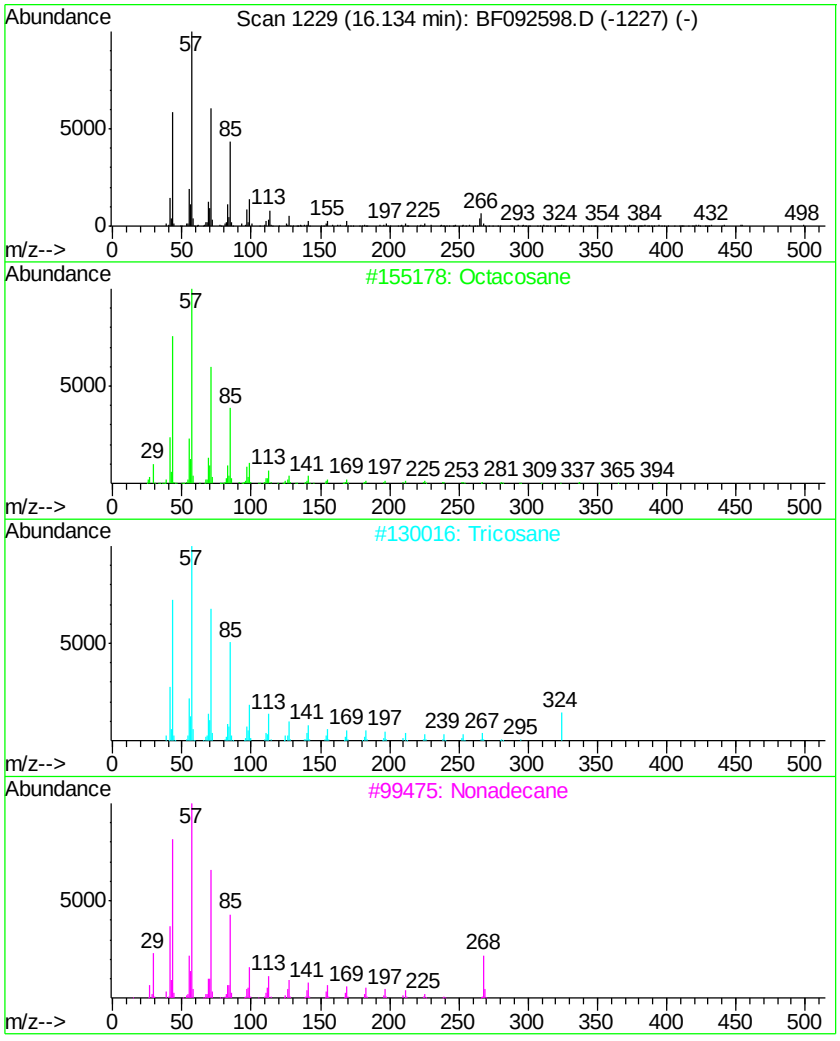
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

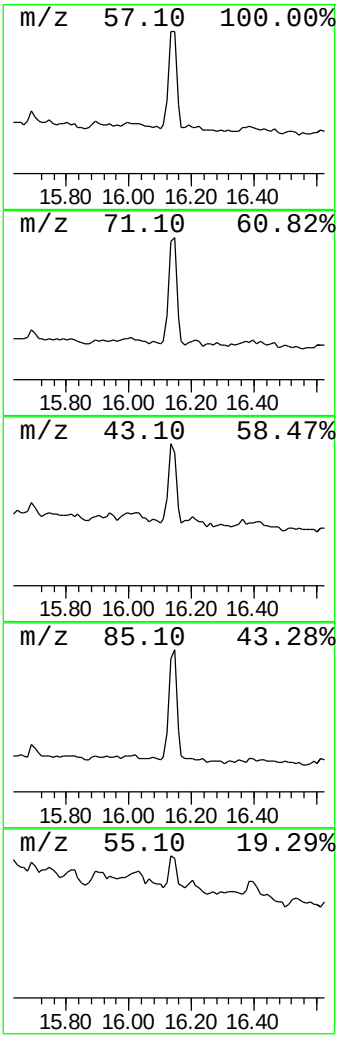
****

Peak Number 19 Octacosane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.13	6.88 ng	513906	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octacosane	394	C28H58	000630-02-4	95
2	Tricosane	324	C23H48	000638-67-5	87
3	Nonadecane	268	C19H40	000629-92-5	87
4	Pentadecane	212	C15H32	000629-62-9	80
5	Heptadecane	240	C17H36	000629-78-7	80





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
Data File : BF092598.D
Acq On : 28 Jan 2017 1:33
Operator : SJ/MA
Sample : I1531-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EDC-HPRR-S4C4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

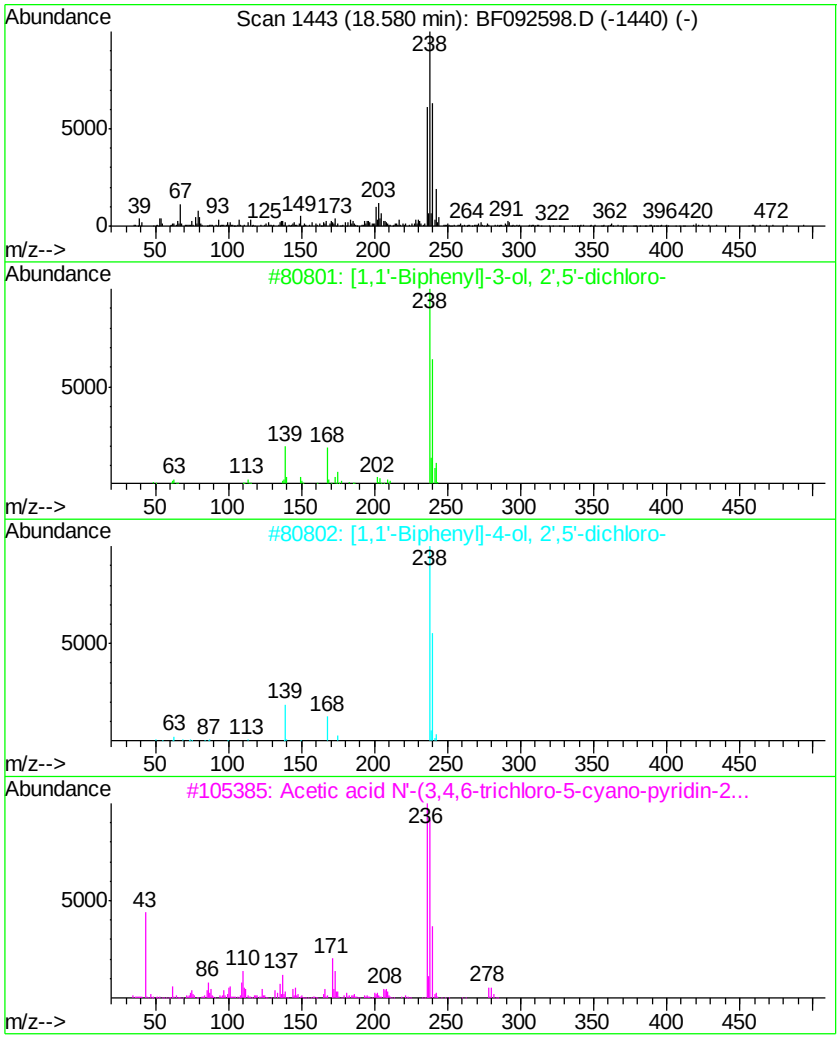
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

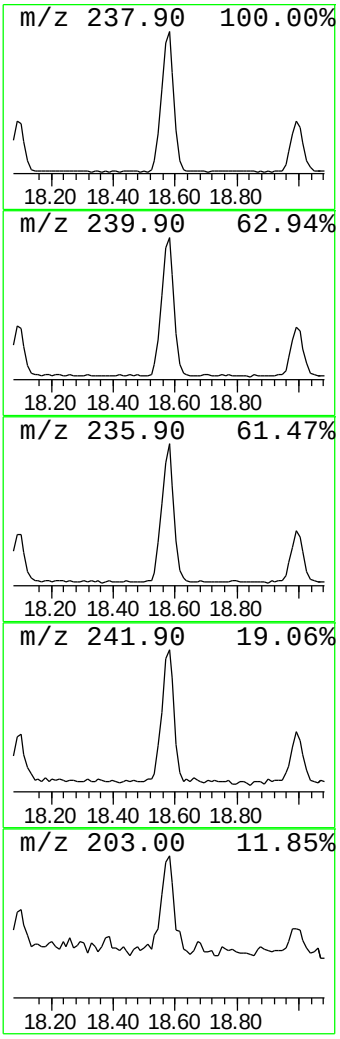
****

Peak Number 20 unknown18.58 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.58	10.16 ng	758387	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-3-ol, 2',5'-dich...	238	C12H8Cl2O	053905-29-6	47
2	[1,1'-Biphenyl]-4-ol, 2',5'-dich...	238	C12H8Cl2O	053905-28-5	47
3	Acetic acid N'-(3,4,6-trichloro-...	278	C8H5Cl3N4O	1000294-18-9	32
4	[4-(Dimethylamino)-a-(P-toluidin...	440	C28H29N2OP	1000224-85-6	27
5	1,5-Diaminoanthraquinone	238	C14H10N2O2	000129-44-2	16





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012717\
Data File : BF092598.D
Acq On : 28 Jan 2017 1:33
Operator : SJ/MA
Sample : I1531-04
Misc :
ALS Vial : 40 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EDC-HPRR-S4C4

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.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
2-Pentanone, 4-hy...	5.17	41.7	ng	2415920	1	6.98	1159330	20.0
unknown6.75	6.75	82.4	ng	4778150	1	6.98	1159330	20.0
Dodecane, 2-methy...	10.46	6.3	ng	367435	3	10.03	1159850	20.0
unknown10.94	10.94	7.0	ng	389356	4	11.53	1115870	20.0
9H-Fluorene, 1-me...	11.13	5.8	ng	320615	4	11.53	1115870	20.0
Benzene, 1-ethyl-...	11.29	7.4	ng	410570	4	11.53	1115870	20.0
unknown11.39	11.39	6.0	ng	336949	4	11.53	1115870	20.0
Dibenzothiophene	11.42	5.0	ng	279162	4	11.53	1115870	20.0
Phenanthrene, 2-m...	12.03	8.6	ng	477263	4	11.53	1115870	20.0
Anthracene, 2-met...	12.11	6.4	ng	355408	4	11.53	1115870	20.0
4H-Cyclopenta[def...	12.14	21.2	ng	1182570	4	11.53	1115870	20.0
1,2,4,8-Tetrameth...	12.33	5.5	ng	306359	4	11.53	1115870	20.0
9,10-Dimethylanth...	12.58	8.6	ng	477870	4	11.53	1115870	20.0
Pyrene, 4,5,9,10-...	12.62	5.0	ng	279426	4	11.53	1115870	20.0
Cyclopenta(def)ph...	12.67	4.2	ng	235426	4	11.53	1115870	20.0
Benzo[e]pyrene	15.55	10.0	ng	743562	6	15.68	1493450	20.0
Octacosane	16.13	6.9	ng	513906	6	15.68	1493450	20.0
unknown18.58	18.58	10.2	ng	758387	6	15.68	1493450	20.0