LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
Data File : BF084041.D
Acq On : 23 Dec 2015 18:48
Operator : UM/SJ
Sample : G4912-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STOCKPILE-1(0-2)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.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	5.013	253	256	266	rBB	333221	536020	23.79%	1.968%
2	5.447	291	294	296	rBV	1529322	1827676	81.13%	6.712%
3	5.824	325	327	330	rBB	30518	29103	1.29%	0.107%
4	6.476	381	384	386	rBV	1550592	1771796	78.65%	6.507%
5	6.590	392	394	397	rBV	1363516	1895116	84.13%	6.959%
6	6.819	412	414	416	rBV	397571	336428	14.93%	1.235%
7	6.979	425	428	430	rBV	1683890	1597460	70.91%	5.866%
8	7.390	460	464	466	rBV	1039964	1292055	57.36%	4.745%
9	7.516	472	475	480	rBV	19948	37453	1.66%	0.138%
10	7.630	484	485	490	rVB2	24285	30208	1.34%	0.111%
11	7.847	502	504	507	rVB2	24365	31632	1.40%	0.116%
12	8.007	516	518	521	rBV2	31964	34618	1.54%	0.127%
13	8.099	524	526	530	rBV	392157	504792	22.41%	1.854%
14	8.236	536	538	540	rVB	44323	40216	1.79%	0.148%
15	8.819	587	589	591	rBV	31562	27409	1.22%	0.101%
16	9.185	618	621	623	rBV	2270799	2252701	100.00%	8.273%
17	9.265	627	628	633	rVB	16890	29385	1.30%	0.108%
18	9.516	646	650	652	rBV3	32609	48329	2.15%	0.177%
19	9.573	653	655	658	rVB	307297	430267	19.10%	1.580%
20	9.722	666	668	670	rBV	39596	30798	1.37%	0.113%
21	9.802	673	675	677	rVB	30956	34422	1.53%	0.126%
22	9.859	677	680	682	rBV	580938	547538	24.31%	2.011%
23	9.893	682	683	685	rVB	91427	70277	3.12%	0.258%
24	10.065	696	698	700	rBV	67931	66758	2.96%	0.245%
25	10.271	714	716	717	rBV	22677	26472	1.18%	0.097%
26	10.293	717	718	720	rVB	50149	45248	2.01%	0.166%
27	10.408	726	728	731	rVB	76688	81520	3.62%	0.299%
28	10.522	733	738	740	rVV3	20606	47671	2.12%	0.175%
29	10.568	740	742	744	rVB	26343	25730	1.14%	0.094%
30	10.648	746	749	752	rBV	1294450	1335937	59.30%	4.906%
31	10.773	757	760	763	rBV	66645	105642	4.69%	0.388%
32	10.956	772	776	777	rBV3	26530	42179	1.87%	0.155%
33	11.105	785	789	792	rVB3	19556	38525	1.71%	0.141%
34	11.151	792	793	795	rVB2	47906	44680	1.98%	0.164%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
Data File : BF084041.D
Acq On : 23 Dec 2015 18:48
Operator : UM/SJ
Sample : G4912-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STOCKPILE-1(0-2)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.219	795	799	800	rBV2	45404	74182	3.29%	0.272%
36	11.345	808	810	811	rBV	518188	568924	25.26%	2.089%
37	11.368	811	812	814	rVV	746925	547672	24.31%	2.011%
38	11.413	814	816	818	rVB	151370	196852	8.74%	0.723%
39	11.573	827	830	832	rBV2	93368	108616	4.82%	0.399%
40	11.642	834	836	838	rVV	45218	45725	2.03%	0.168%
41	11.676	838	839	842	rVB2	17016	24151	1.07%	0.089%
42	11.848	851	854	855	rBV	77345	81684	3.63%	0.300%
43	11.871	855	856	858	rVV	132817	141796	6.29%	0.521%
44	11.916	858	860	862	rVV2	38800	56932	2.53%	0.209%
45	11.951	862	863	868	rVB2	123661	207510	9.21%	0.762%
46	12.054	868	872	873	rBV2	35509	62072	2.76%	0.228%
47	12.134	878	879	881	rVV2	58379	68769	3.05%	0.253%
48	12.168	881	882	884	rVB	69668	61340	2.72%	0.225%
49	12.294	890	893	894	rBV2	26661	36408	1.62%	0.134%
50	12.328	894	896	897	rVV	20053	34979	1.55%	0.128%
51	12.396	900	902	903	rBV	72899	77204	3.43%	0.284%
52	12.431	903	905	908	rVB2	51478	85163	3.78%	0.313%
53	12.488	908	910	914	rBV	59673	78968	3.51%	0.290%
54	12.556	914	916	919	rBV	998260	889380	39.48%	3.266%
55	12.625	919	922	923	rVB2	26851	39658	1.76%	0.146%
56	12.705	926	929	931	rVV2	40308	50288	2.23%	0.185%
57	12.785	931	936	938	rVV	883967	978053	43.42%	3.592%
58	12.831	939	940	944	rVB2	57196	75472	3.35%	0.277%
59	12.934	946	949	951	rVV	1592753	1887222	83.78%	6.931%
60	13.002	952	955	959	rBV3	59058	135344	6.01%	0.497%
61	13.116	961	965	966	rBV	104774	183447	8.14%	0.674%
62	13.185	966	971	972	rBV4	46227	76628	3.40%	0.281%
63	13.219	972	974	978	rBV2	91178	128701	5.71%	0.473%
64	13.311	980	982	983	rBV	52126	47414	2.10%	0.174%
65	13.345	983	985	987	rBV2	42017	55662	2.47%	0.204%
66	13.505	996	999	1001	rBV3	26803	61236	2.72%	0.225%
67	13.631	1008	1010	1012	rVB	64854	67627	3.00%	0.248%
68	13.734	1017	1019	1022	rBV2	86951	151704	6.73%	0.557%
69	13.791	1022	1024	1026	rVV2	38910	89816	3.99%	0.330%
70	13.825	1026	1027	1032	rVB3	127039	190164	8.44%	0.698%
71	13.905	1032	1034	1037	rBV2	17655	30041	1.33%	0.110%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
Data File : BF084041.D
Acq On : 23 Dec 2015 18:48
Operator : UM/SJ
Sample : G4912-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STOCKPILE-1(0-2)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.974	1037	1040	1047	rBV2	498255	1226647	54.45%	4.505%
73	14.088	1048	1050	1052	rVV	53828	50248	2.23%	0.185%
74	14.145	1053	1055	1059	rVB5	30590	72342	3.21%	0.266%
75	14.214	1059	1061	1063	rBV2	27382	40358	1.79%	0.148%
76	14.339	1070	1072	1073	rBV	21836	40270	1.79%	0.148%
77	14.374	1073	1075	1076	rVV	79191	84619	3.76%	0.311%
78	14.408	1076	1078	1080	rVV3	36192	54484	2.42%	0.200%
79	14.454	1080	1082	1084	rVV3	39613	72191	3.20%	0.265%
80	14.499	1084	1086	1089	rVB3	37721	74182	3.29%	0.272%
81	14.682	1101	1102	1107	rVB5	31112	61069	2.71%	0.224%
82	14.820	1112	1114	1116	rVB2	48430	57107	2.54%	0.210%
83	14.854	1116	1117	1119	rBV	39660	55102	2.45%	0.202%
84	15.014	1128	1131	1135	rBV	289435	618110	27.44%	2.270%
85	15.117	1138	1140	1142	rBV	54820	62757	2.79%	0.230%
86	15.300	1153	1156	1159	rVB	168198	246597	10.95%	0.906%
87	15.357	1159	1161	1164	rVV	242699	295353	13.11%	1.085%
88	15.414	1164	1166	1174	rVB2	249096	403761	17.92%	1.483%
89	15.837	1201	1203	1205	rBV2	18307	30530	1.36%	0.112%
90	15.882	1205	1207	1209	rBV3	15029	30160	1.34%	0.111%
91	16.465	1256	1258	1261	rVB3	15795	31187	1.38%	0.115%
92	16.831	1286	1290	1295	rVB	109322	245925	10.92%	0.903%
93	16.991	1301	1304	1307	rBV2	21734	50907	2.26%	0.187%
94	17.048	1307	1309	1314	rVB2	17123	35014	1.55%	0.129%
95	17.254	1324	1327	1331	rBV	78504	174711	7.76%	0.642%
96	17.506	1346	1349	1355	rVB2	20812	60251	2.67%	0.221%
97	19.437	1513	1518	1524	rBV2	16299	63897	2.84%	0.235%

Sum of corrected areas: 27230644

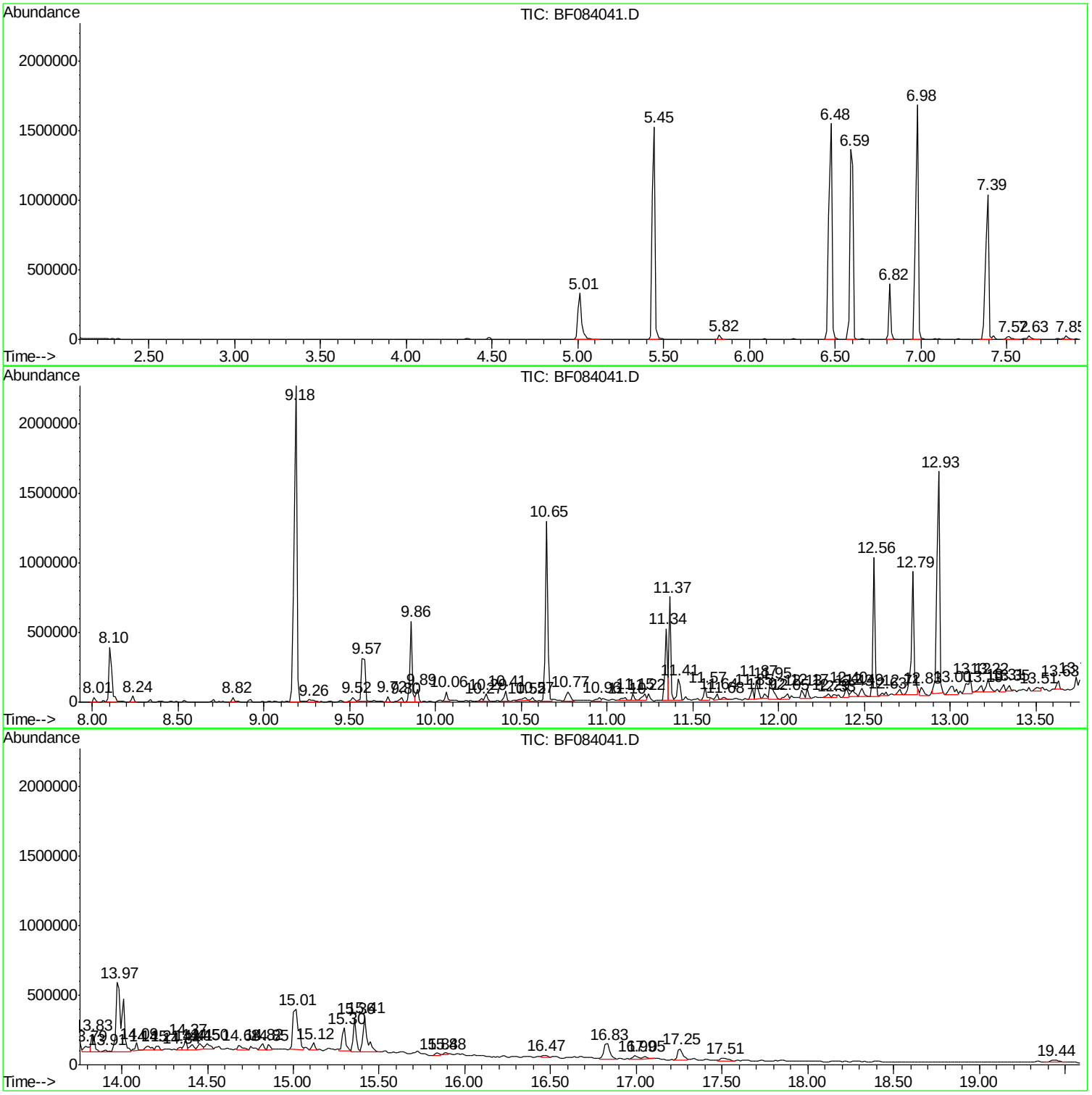
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
Data File : BF084041.D
Acq On : 23 Dec 2015 18:48
Operator : UM/SJ
Sample : G4912-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-1(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.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\BF122315\
Data File : BF084041.D
Acq On : 23 Dec 2015 18:48
Operator : UM/SJ
Sample : G4912-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STOCKPILE-1(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

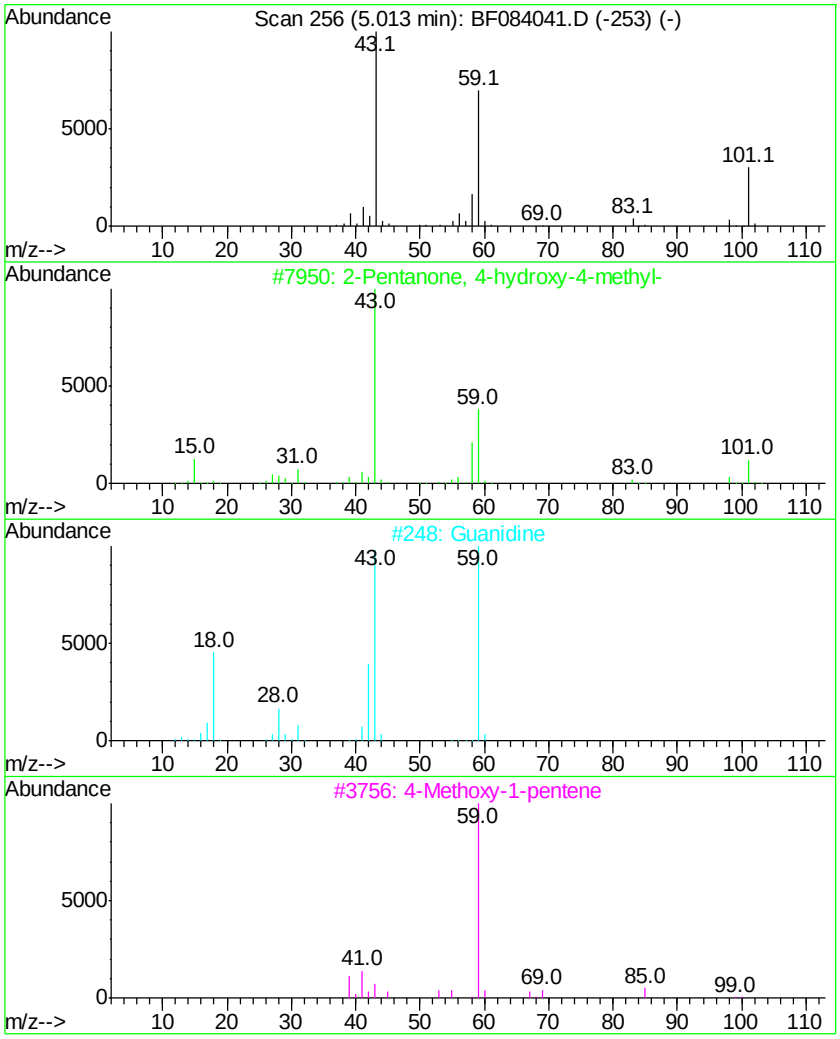
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

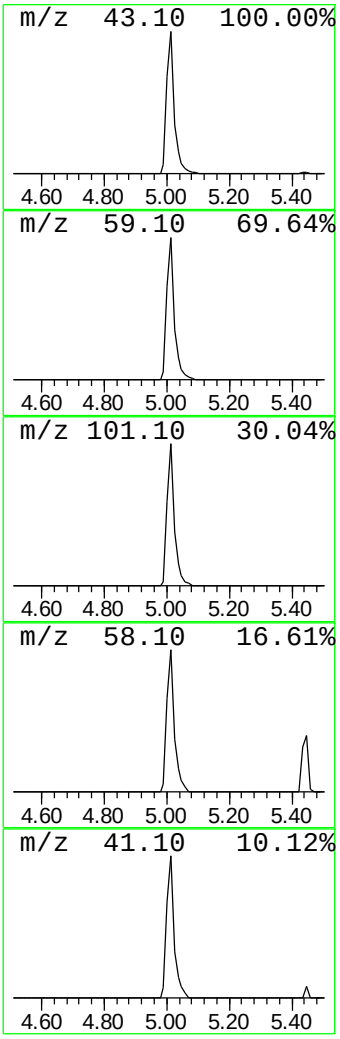
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.01	31.87 ng	536020	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Guanidine	59	CH5N3	000113-00-8	43
3	4-Methoxy-1-pentene	100	C6H12O	098386-09-5	27
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	17





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
Data File : BF084041.D
Acq On : 23 Dec 2015 18:48
Operator : UM/SJ
Sample : G4912-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STOCKPILE-1(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

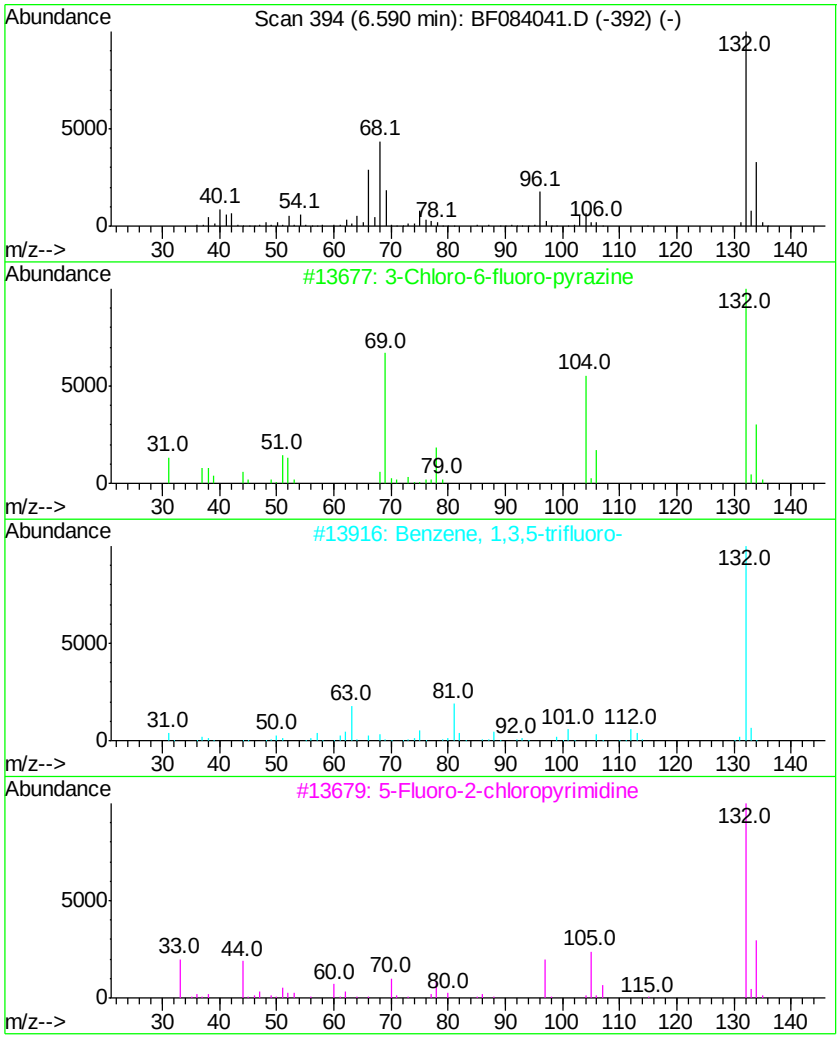
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

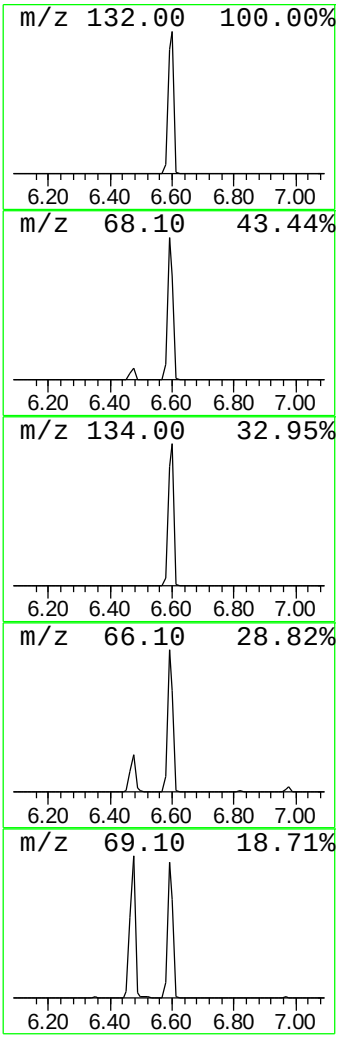
****

Peak Number 2 unknown6.59 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	112.66 ng	1895120	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	14
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
Data File : BF084041.D
Acq On : 23 Dec 2015 18:48
Operator : UM/SJ
Sample : G4912-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STOCKPILE-1(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

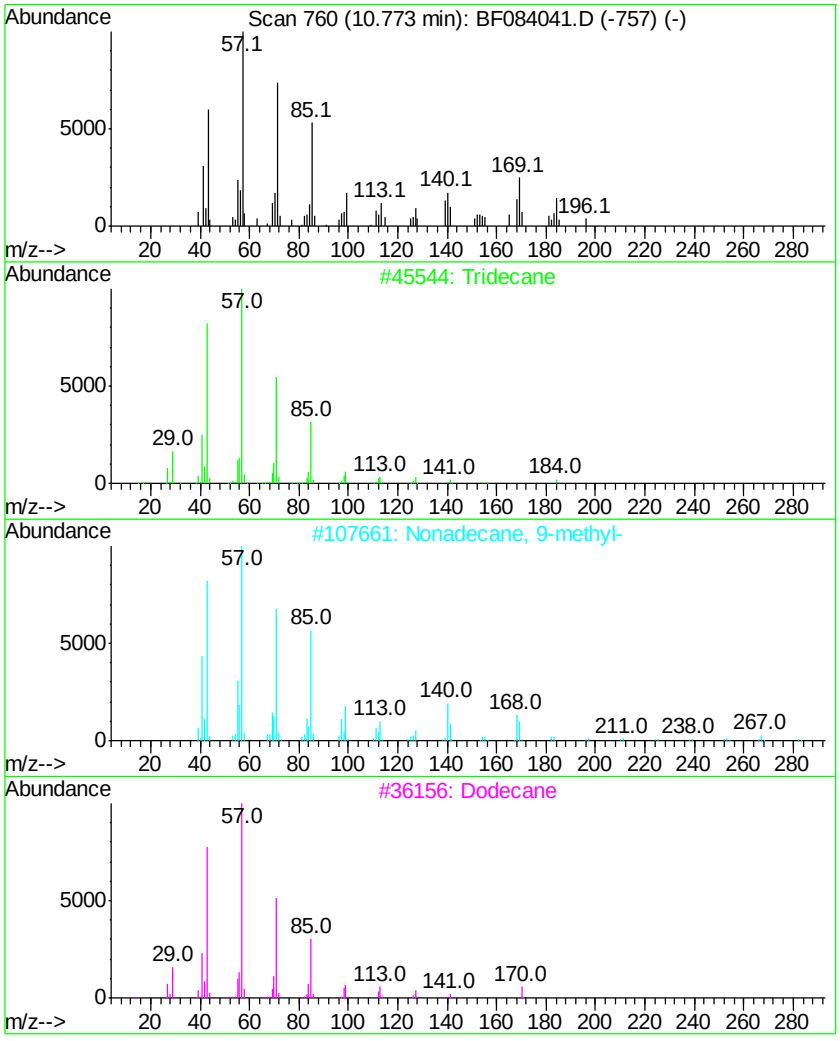
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

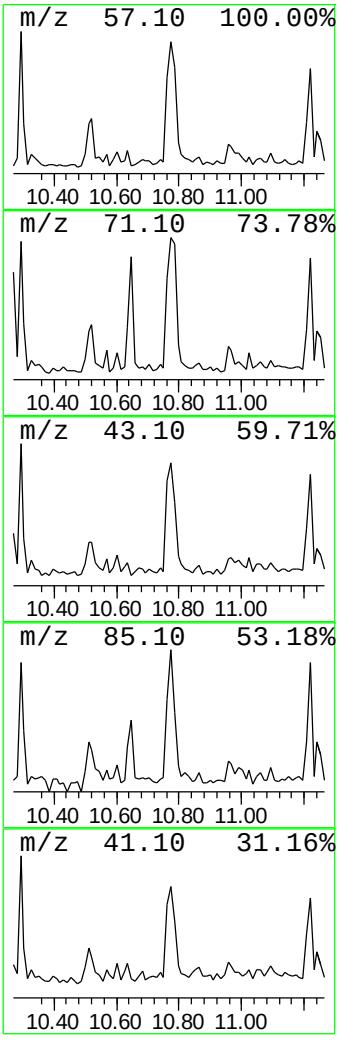
****

Peak Number 4 Tridecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	3.71 ng	105642	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	93
2	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	68
3	Dodecane	170	C12H26	000112-40-3	60
4	Heptadecane	240	C17H36	000629-78-7	53
5	Octacosane	394	C28H58	000630-02-4	52





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
Data File : BF084041.D
Acq On : 23 Dec 2015 18:48
Operator : UM/SJ
Sample : G4912-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
STOCKPILE-1(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

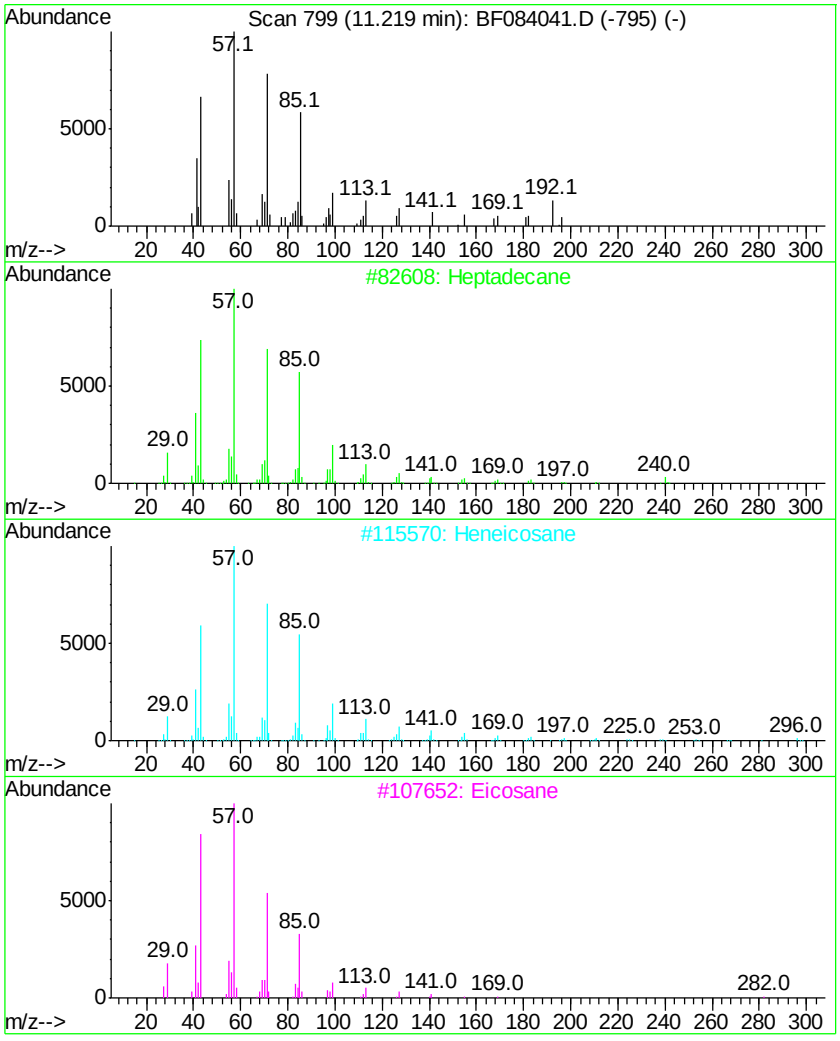
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

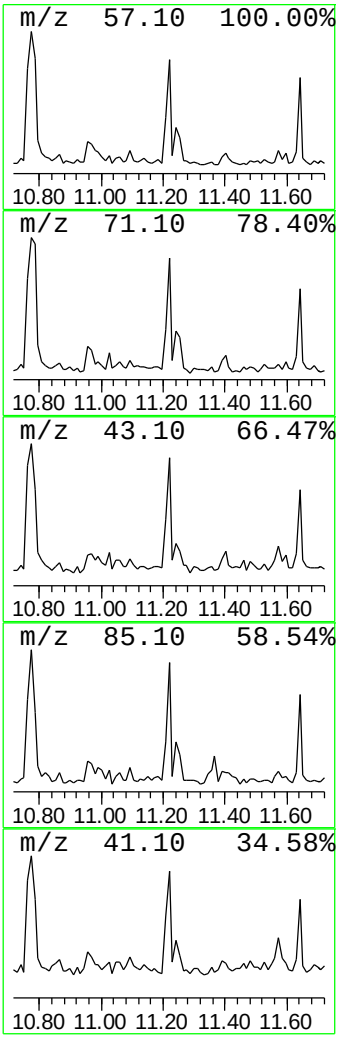
****

Peak Number 5 Heptadecane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	2.61 ng	74182	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	90
2	Heneicosane	296	C21H44	000629-94-7	87
3	Eicosane	282	C20H42	000112-95-8	87
4	Octacosane	394	C28H58	000630-02-4	87
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	86





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
Data File : BF084041.D
Acq On : 23 Dec 2015 18:48
Operator : UM/SJ
Sample : G4912-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STOCKPILE-1(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

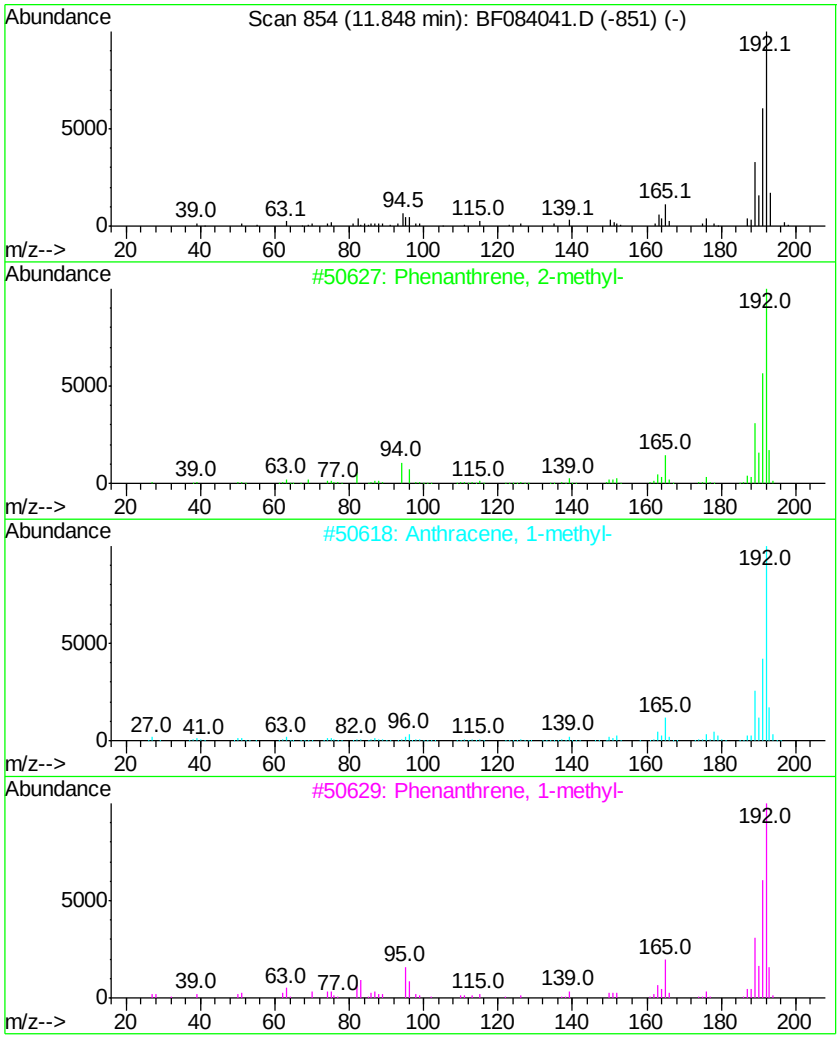
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

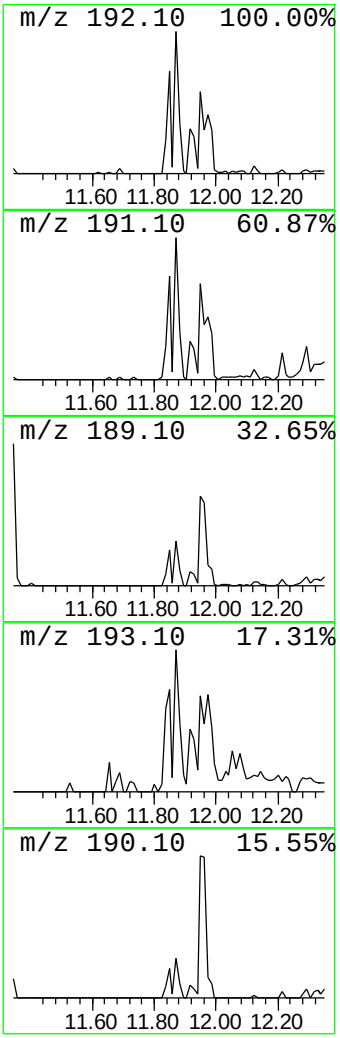
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	2.87 ng	81684	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\HPCHEM1\BNA F\DATA\BF122315\
Data File : BF084041.D
Acq On : 23 Dec 2015 18:48
Operator : UM/SJ
Sample : G4912-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STOCKPILE-1(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

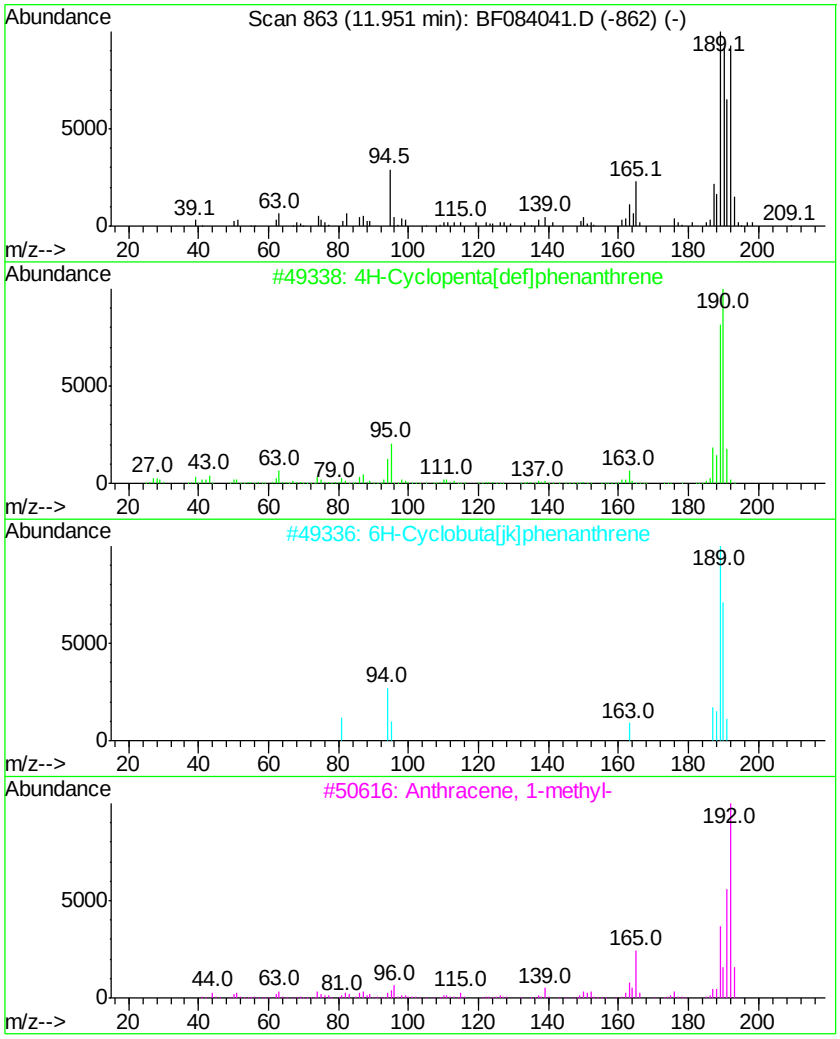
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

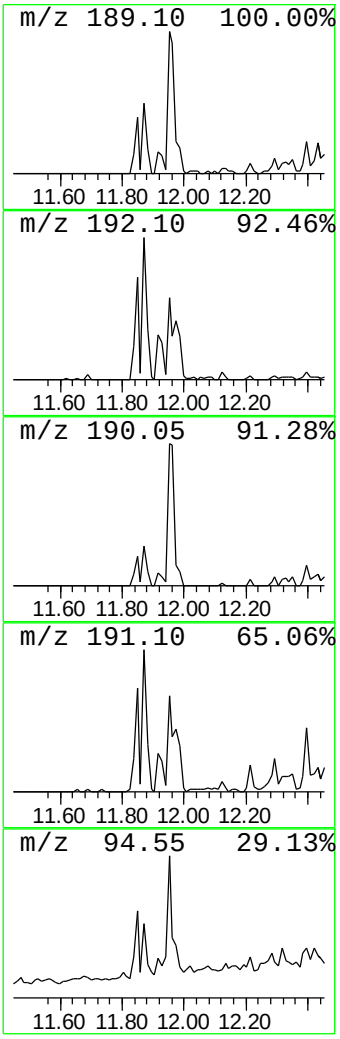
****

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	7.29 ng	207510	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	41
4	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	41
5	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	41





Library Search Compound Report

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Acq On : 23 Dec 2015 18:48
Operator : UM/SJ
Sample : G4912-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STOCKPILE-1(0-2)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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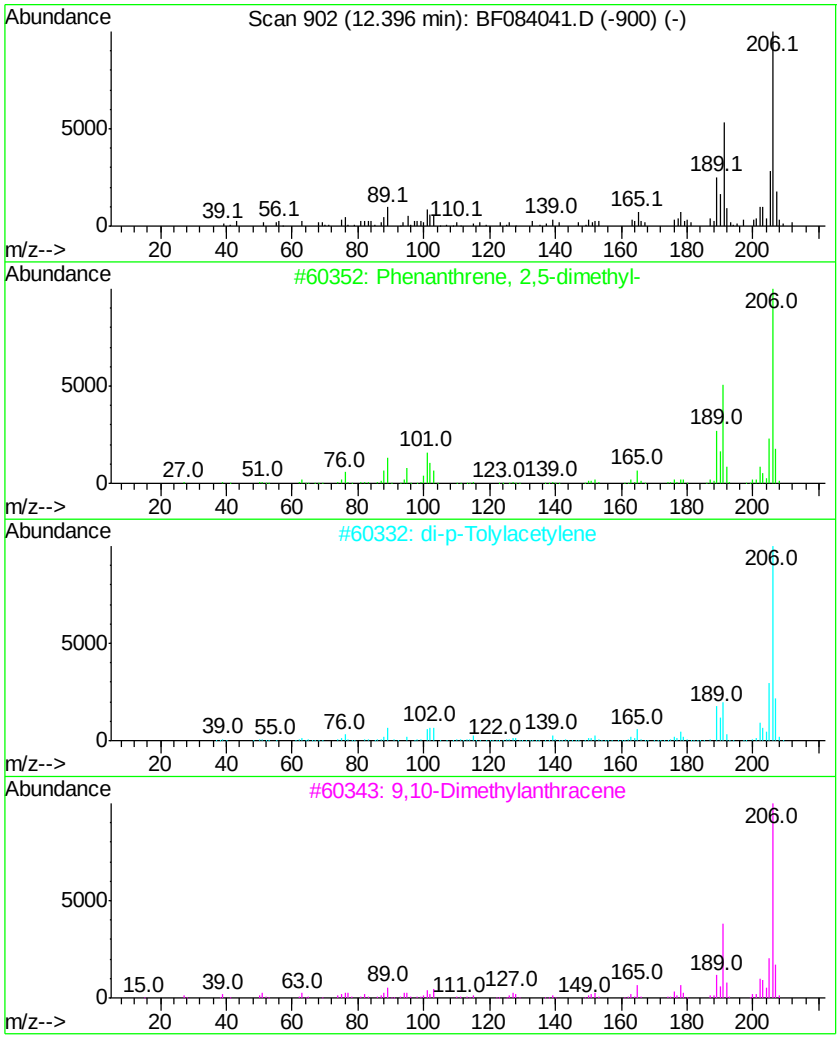
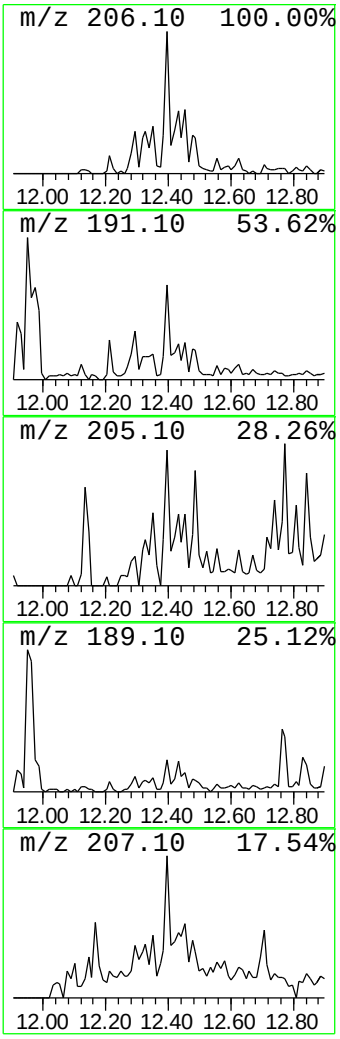
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	2.71 ng	77204	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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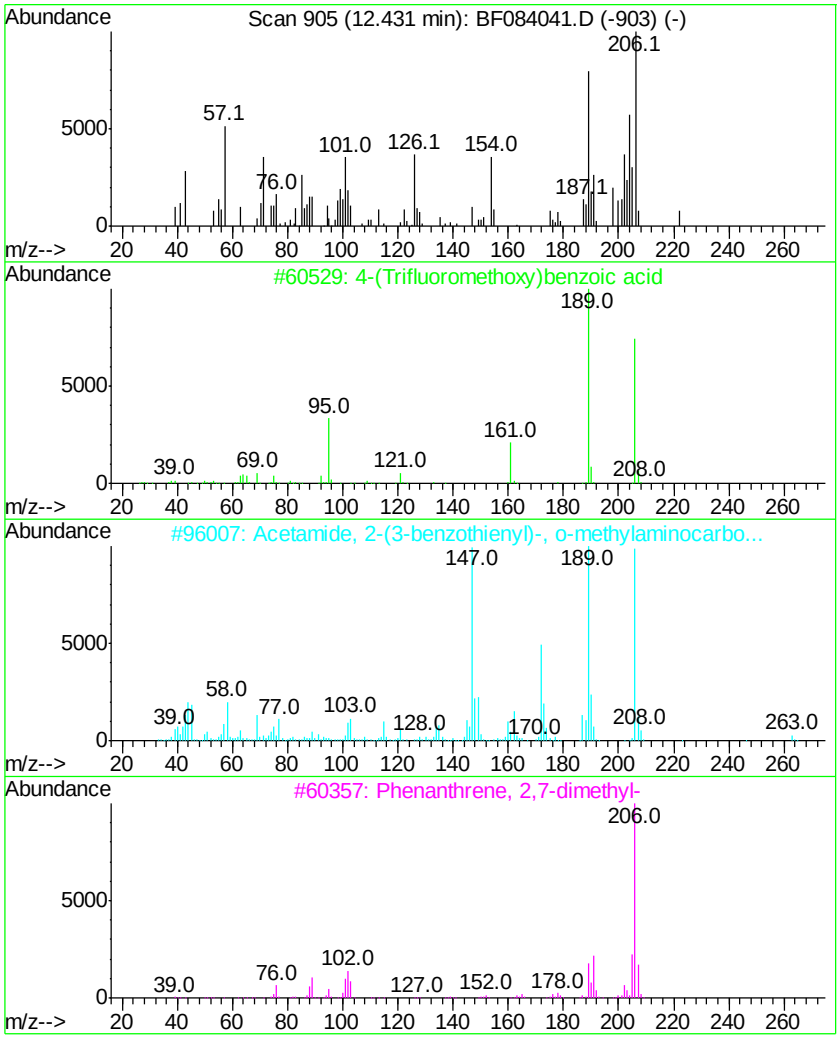
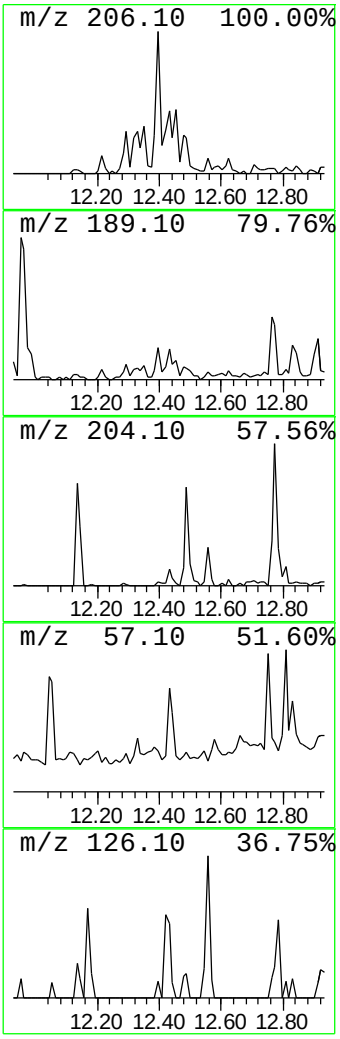
Peak Number 10 unknown12.43 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	2.99 ng	85163	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	35
2	Acetamide, 2-(3-benzothienyl)-, ...	263	C12H13N3O2S	1000270-74-8	32
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	30
4	Naphthalene, 1,2,4a,5,8,8a-hexah...	204	C15H24	005951-61-1	27
5	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	27





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

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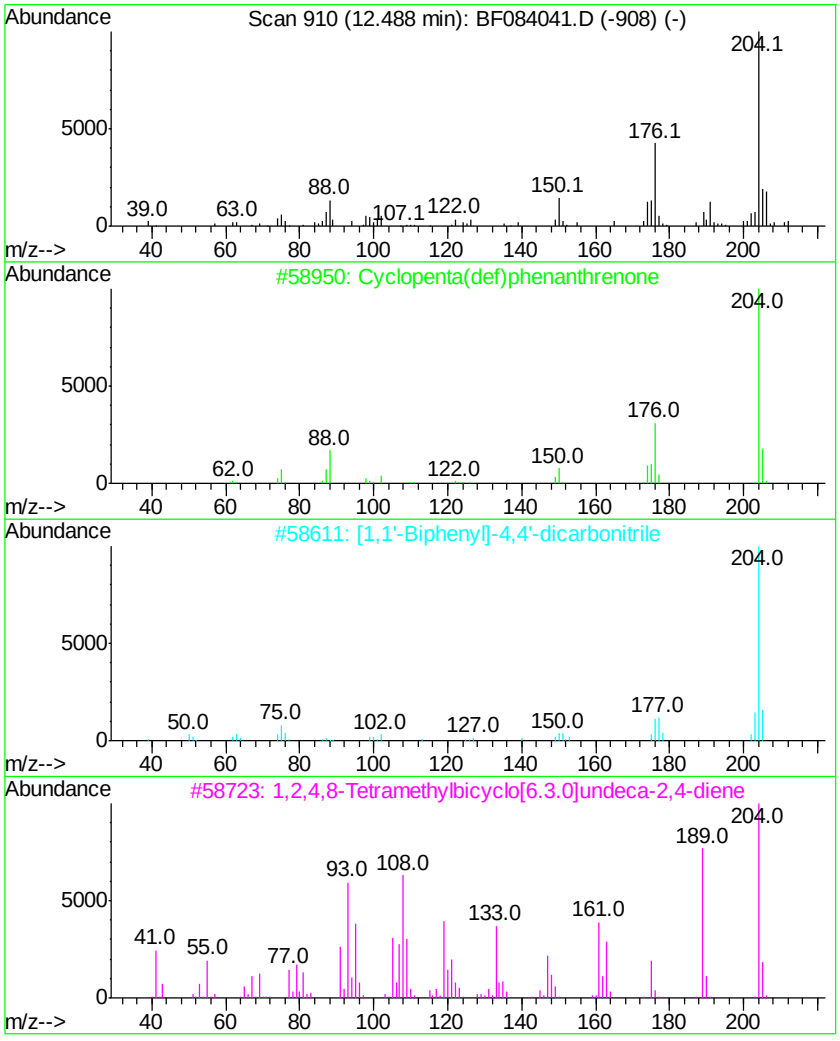
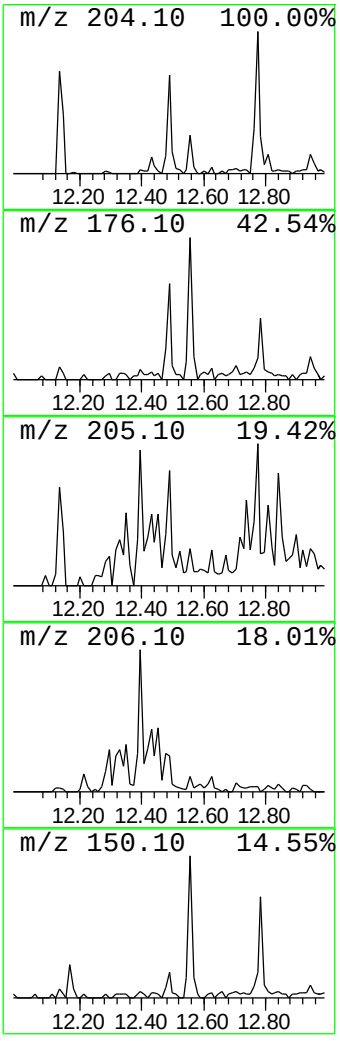
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	2.78 ng	78968	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	87
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
4	Pyrene, 4,5-dihydro-	204	C16H12	006628-98-4	47
5	Tetrathiafulvalene	204	C6H4S4	031366-25-3	38





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ClientSampleId : STOCKPILE-1(0-2)

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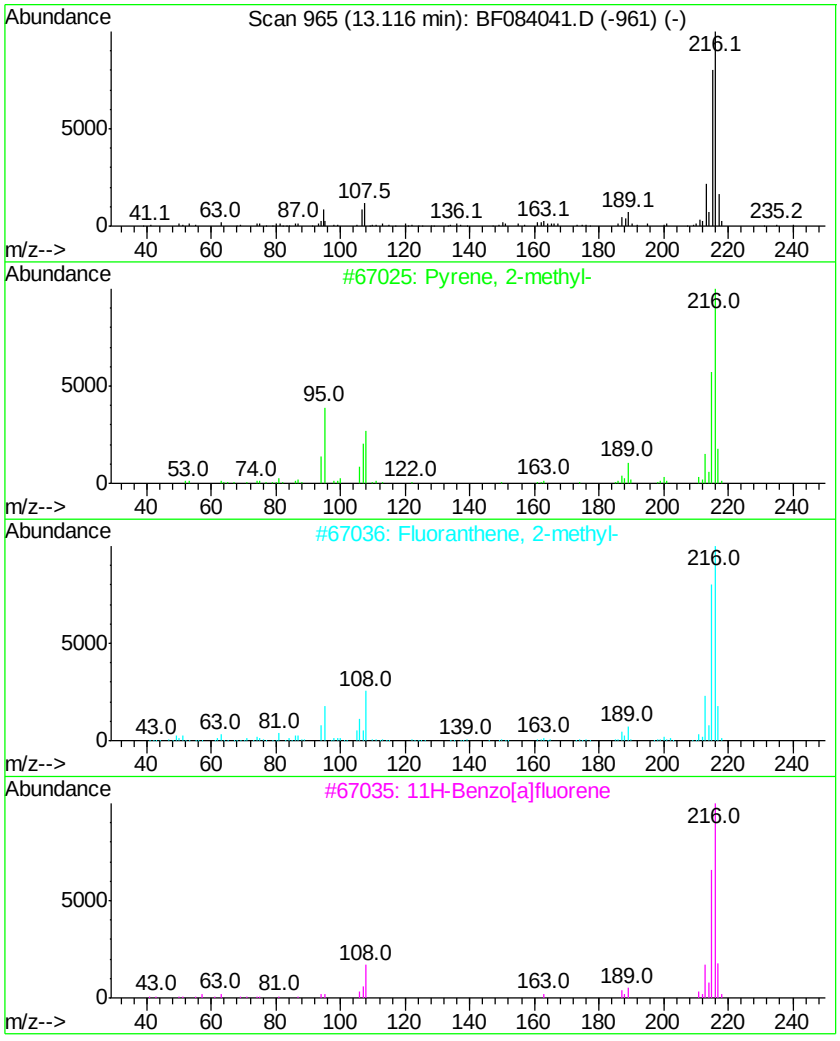
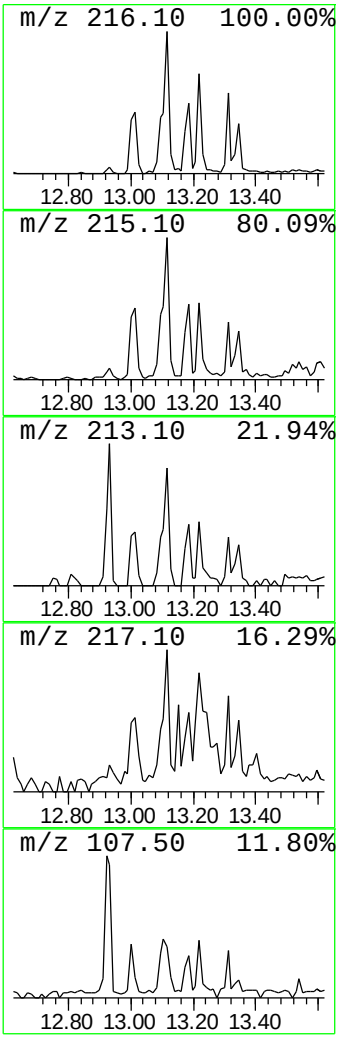
Peak Number 12 Pyrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	2.99 ng	183447	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





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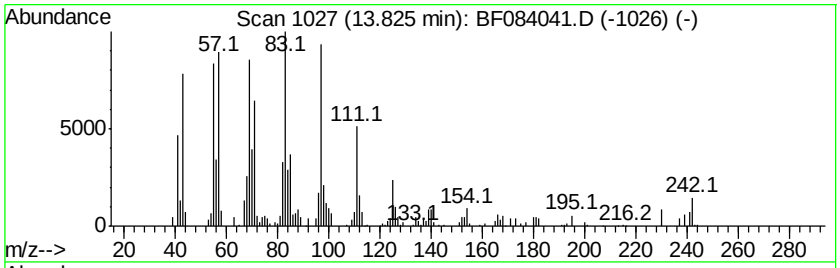
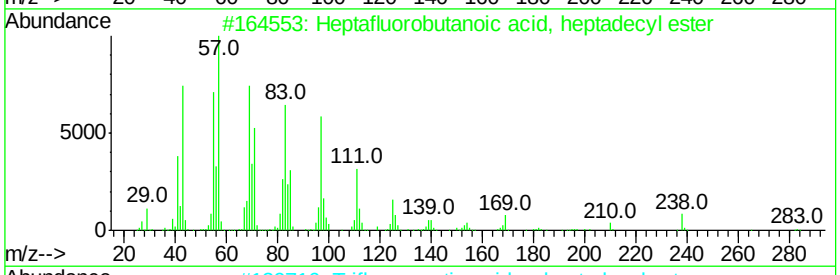
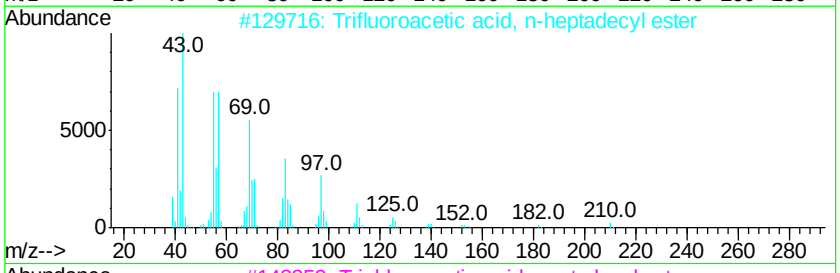
Peak Number 13 Heptafluorobutanoic acid, h... Concentration Rank 10

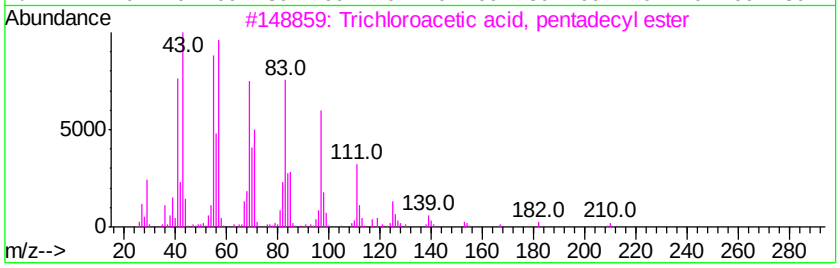
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	3.10 ng	190164	Chrysene-d12	13.99

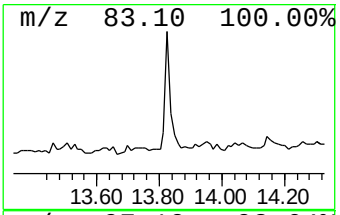
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	94
2	Trifluoroacetic acid, n-heptadec...	324	C17H31F3O2	1000216-79-2	91
3	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	91
4	11-Tricosene	322	C23H46	052078-56-5	91
5	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91

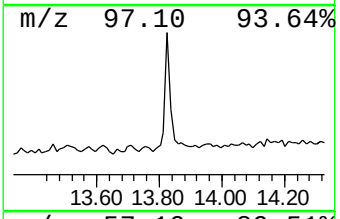


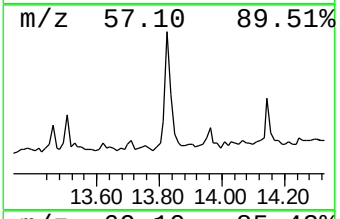


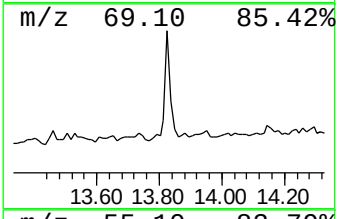


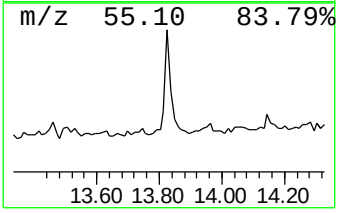












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Acq On : 23 Dec 2015 18:48
Operator : UM/SJ
Sample : G4912-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : STOCKPILE-1(0-2)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

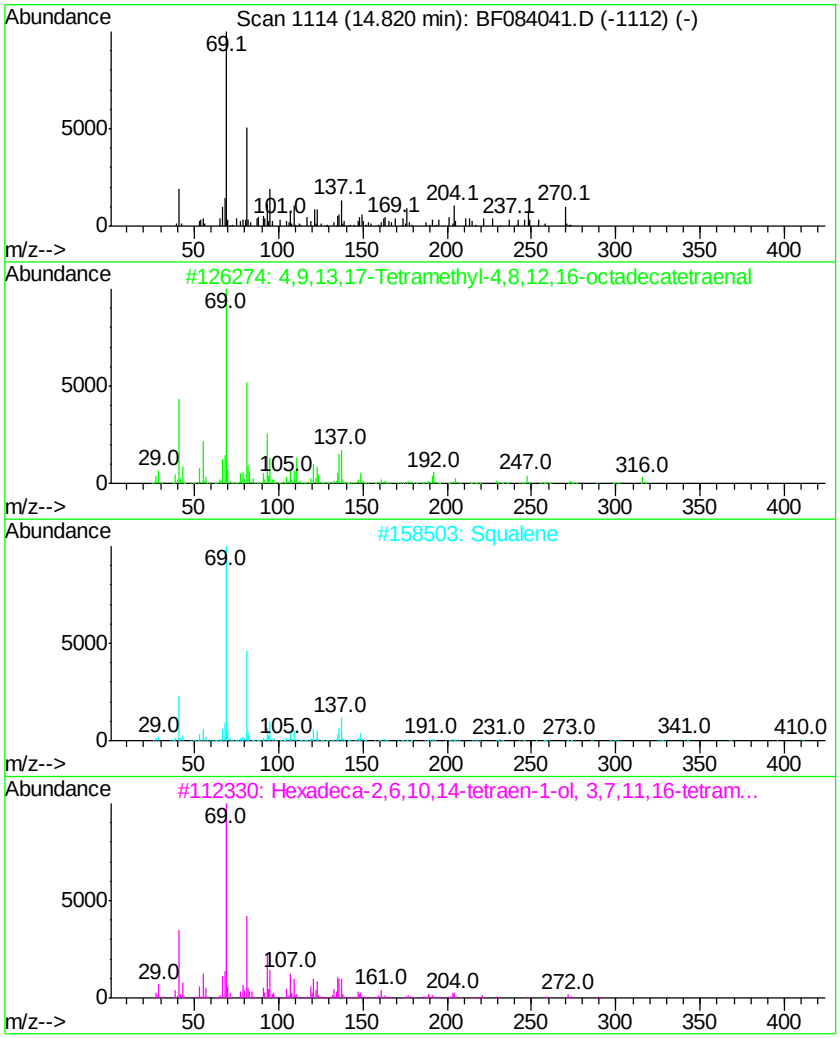
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

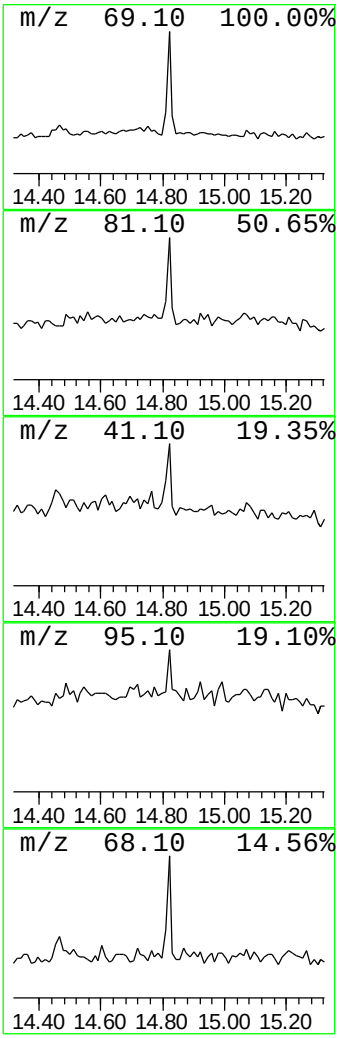
****

Peak Number 14 4,9,13,17-Tetramethyl-4,8,1... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.82	2.83 ng	57107	Perylene-d12	15.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,9,13,17-Tetramethyl-4,8,12,16-...	316	C22H36O	056882-09-8	53
2	Squalene	410	C30H50	007683-64-9	53
3	Hexadeca-2,6,10,14-tetraen-1-ol,...	290	C20H34O	007614-21-3	50
4	4-Aza-5-thiatricyclo[5.2.1.0(3,7...	283	C14H21NO3S	1000156-44-2	47
5	2,6,10-Dodecatrien-1-ol, 3,7,11-...	222	C15H26O	000106-28-5	47





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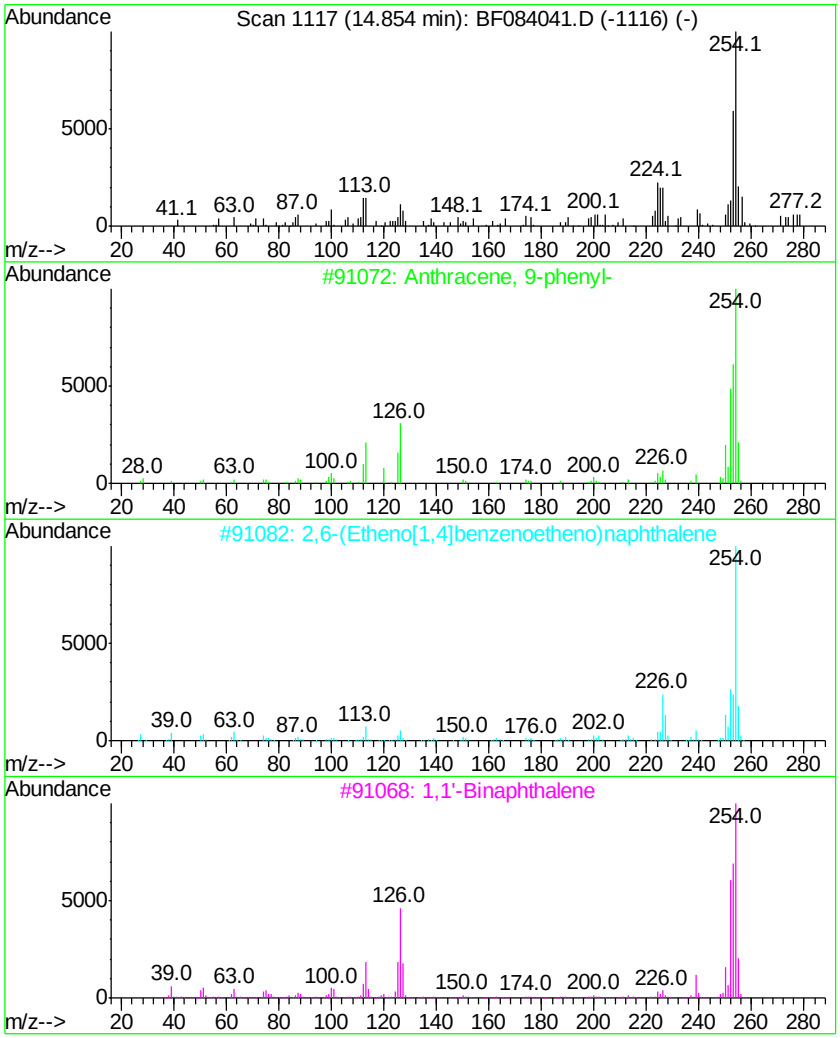
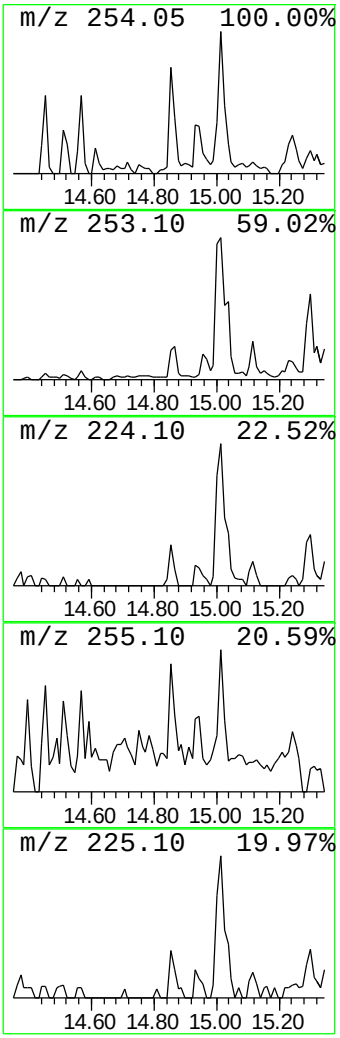
Peak Number 15 Anthracene, 9-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.85	2.73 ng	55102	Perylene-d12	15.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	58
2	2,6-(Etheno[1,4]benzenoetheno)na...	254	C20H14	117054-70-3	53
3	1,1'-Binaphthalene	254	C20H14	000604-53-5	52
4	1,2'-Binaphthalene	254	C20H14	004325-74-0	50
5	Imidazo[1,2-b]-1,2,4-triazine, 6...	254	C14H14N4O	1000277-24-4	50





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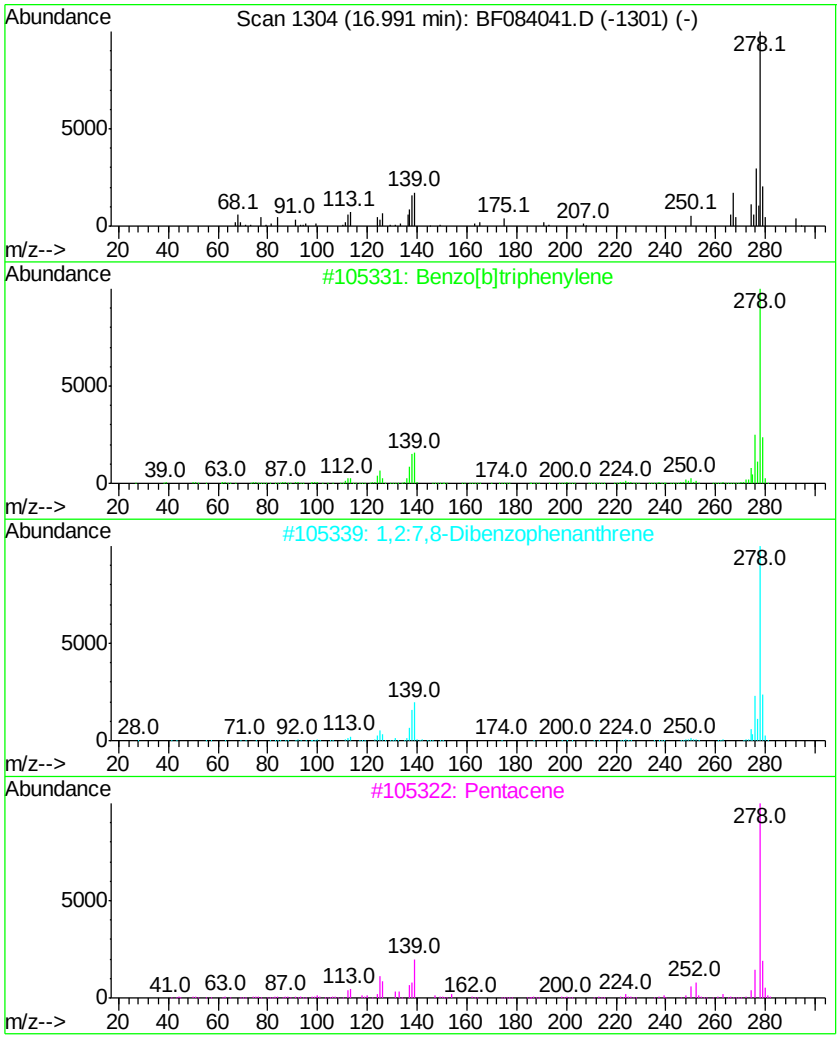
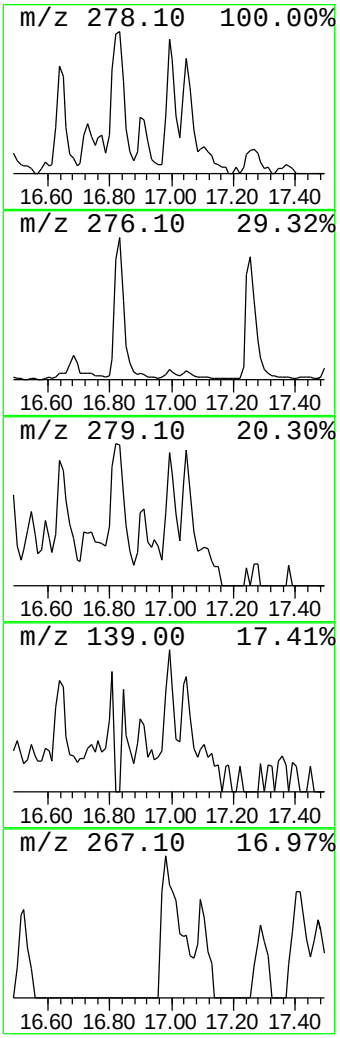
Peak Number 18 Benzo[b]triphenylene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.99	2.52 ng	50907	Perylene-d12	15.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	70
2	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	70
3	Pentacene	278	C22H14	000135-48-8	60
4	Benzo[a]naphthacene	278	C22H14	000226-88-0	59
5	Benzo[b]chrysene	278	C22H14	000214-17-5	53





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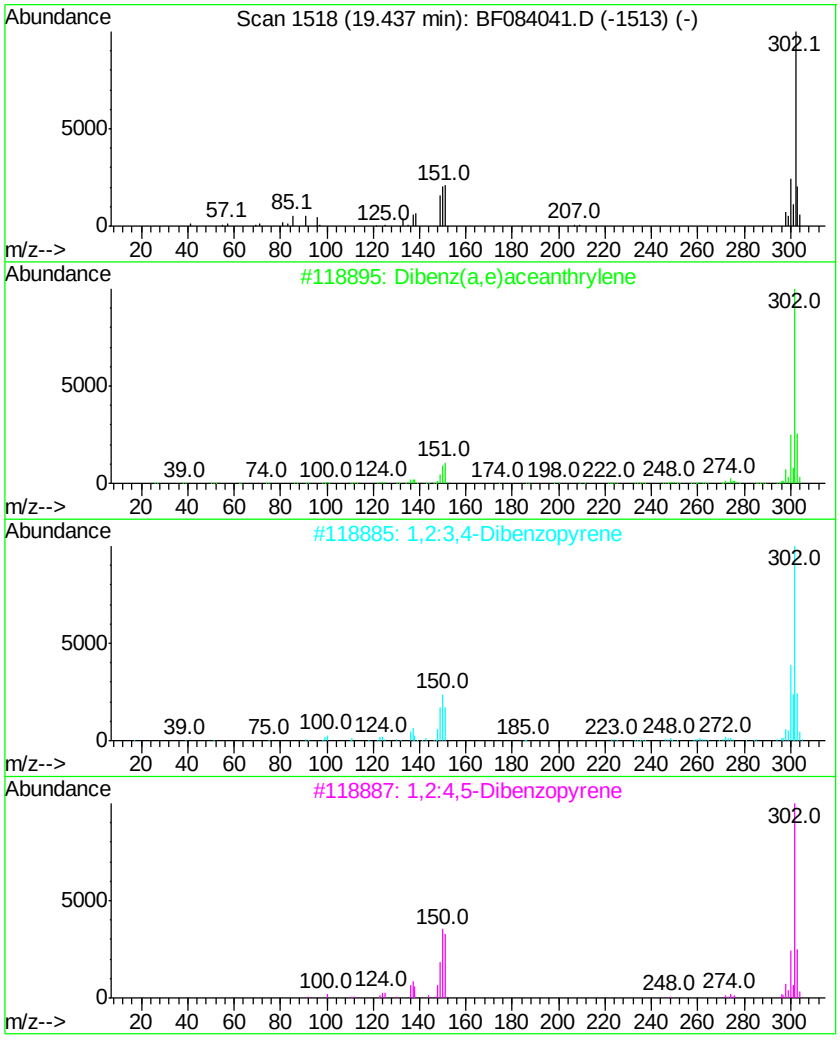
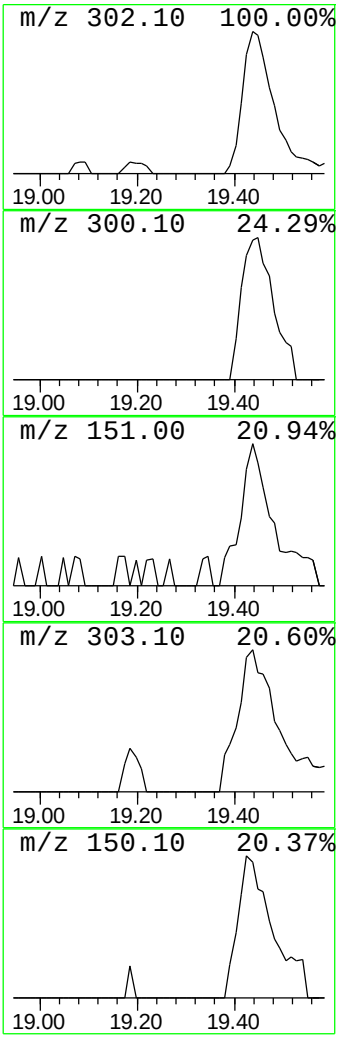
Peak Number 20 Dibenz(a,e)aceanthrylene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.44	3.17 ng	63897	Perylene-d12	15.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	87
2	1,2:3,4-Dibenzopyrene	302	C24H14	000191-30-0	74
3	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	72
4	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	72
5	3,4:9,10-Dibenzopyrene	302	C24H14	000189-55-9	64





Tentatively Identified Compound (LSC) summary

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					Internal Standard			
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2-Pentanone, 4-hy...	5.01	31.9	ng	536020	1	6.82	336428	20.0
unknown6.59	6.59	112.7	ng	1895120	1	6.82	336428	20.0
Tridecane	10.77	3.7	ng	105642	4	11.34	568924	20.0
Heptadecane	11.22	2.6	ng	74182	4	11.34	568924	20.0
Phenanthrene, 2-m...	11.85	2.9	ng	81684	4	11.34	568924	20.0
4H-Cyclopenta[def...	11.95	7.3	ng	207510	4	11.34	568924	20.0
Phenanthrene, 2,5...	12.40	2.7	ng	77204	4	11.34	568924	20.0
unknown12.43	12.43	3.0	ng	85163	4	11.34	568924	20.0
Cyclopenta(def)ph...	12.49	2.8	ng	78968	4	11.34	568924	20.0
Pyrene, 2-methyl-	13.12	3.0	ng	183447	5	13.99	1226650	20.0
Heptafluorobutano...	13.83	3.1	ng	190164	5	13.99	1226650	20.0
4,9,13,17-Tetrame...	14.82	2.8	ng	57107	6	15.41	403761	20.0
Anthracene, 9-phe...	14.85	2.7	ng	55102	6	15.41	403761	20.0
Benzo[b]triphenylene	16.99	2.5	ng	50907	6	15.41	403761	20.0
Dibenz(a,e)aceant...	19.44	3.2	ng	63897	6	15.41	403761	20.0