LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
Data File : BF083617.D
Acq On : 9 Dec 2015 2:19
Operator : UM/IZ
Sample : G4637-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PCPY5

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-BF120815.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.567	75	77	87	rVB	144689	233030	17.78%	0.972%
2	3.527	159	161	175	rBV	97087	190499	14.54%	0.794%
3	3.984	199	201	223	rBV	380075	847030	64.63%	3.531%
4	5.276	312	314	323	rBV3	322020	879554	67.11%	3.667%
5	5.402	323	325	341	rVB	587506	1042722	79.56%	4.347%
6	5.699	348	351	363	rVB	561864	909105	69.37%	3.790%
7	5.916	367	370	381	rVB	421330	693244	52.90%	2.890%
8	6.522	421	423	438	rBV	266974	597230	45.57%	2.490%
9	7.596	514	517	520	rBV	877084	1173071	89.51%	4.891%
10	8.339	576	582	591	rBV4	14762	61180	4.67%	0.255%
11	8.739	615	617	624	rVB	33205	47093	3.59%	0.196%
12	8.888	627	630	635	rBV	24810	35497	2.71%	0.148%
13	9.333	667	669	680	rBV	689486	880996	67.22%	3.673%
14	9.859	713	715	718	rBV	13782	22300	1.70%	0.093%
15	10.031	727	730	735	rBV	112810	180662	13.79%	0.753%
16	10.168	740	742	745	rBV2	10043	17722	1.35%	0.074%
17	10.385	758	761	764	rBV	837692	1263540	96.41%	5.268%
18	10.431	764	765	771	rVB	115974	158188	12.07%	0.659%
19	10.728	789	791	795	rVV	45542	82380	6.29%	0.343%
20	11.219	830	834	837	rBV2	44939	77964	5.95%	0.325%
21	11.276	837	839	844	rVV	115599	158133	12.07%	0.659%
22	11.379	844	848	850	rVV5	10286	31164	2.38%	0.130%
23	11.551	861	863	868	rBV2	20541	48466	3.70%	0.202%
24	11.677	871	874	887	rBV	312200	538958	41.13%	2.247%
25	11.997	899	902	906	rBV	38313	71055	5.42%	0.296%
26	12.179	914	918	921	rBV4	17127	36206	2.76%	0.151%
27	12.305	924	929	931	rBV4	12607	19949	1.52%	0.083%
28	12.408	936	938	940	rBV2	15198	26006	1.98%	0.108%
29	12.511	945	947	950	rBV	20226	34385	2.62%	0.143%
30	12.579	950	953	954	rVV3	11295	27408	2.09%	0.114%
31	12.614	954	956	960	rVB	36184	46226	3.53%	0.193%
32	12.728	964	966	968	rBV	20420	24283	1.85%	0.101%
33	12.774	968	970	972	rBV	742285	1069331	81.60%	4.458%
34	12.819	972	974	979	rVV	761377	1130821	86.29%	4.714%

LSC Area Percent Report

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Acq On : 9 Dec 2015 2:19
Operator : UM/IZ
Sample : G4637-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PCPY5

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-BF120815.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.911	979	982	987	rVV	166073	292341	22.31%	1.219%
36	13.014	987	991	998	rVB5	14689	43916	3.35%	0.183%
37	13.220	1007	1009	1014	rVV	63135	109520	8.36%	0.457%
38	13.608	1040	1043	1045	rBV	73634	99494	7.59%	0.415%
39	13.654	1045	1047	1050	rVV	80594	111157	8.48%	0.463%
40	13.734	1050	1054	1055	rVV2	30667	50015	3.82%	0.209%
41	13.768	1055	1057	1060	rVV2	107352	184141	14.05%	0.768%
42	13.825	1060	1062	1071	rVB	80083	137767	10.51%	0.574%
43	14.111	1082	1087	1091	rVB	44702	84372	6.44%	0.352%
44	14.180	1091	1093	1098	rBV4	29259	77376	5.90%	0.323%
45	14.340	1104	1107	1110	rBV3	12580	21460	1.64%	0.089%
46	14.443	1114	1116	1118	rVB	17574	22825	1.74%	0.095%
47	14.511	1120	1122	1124	rBV	29855	45528	3.47%	0.190%
48	14.557	1124	1126	1129	rVV2	26331	49790	3.80%	0.208%
49	14.660	1132	1135	1139	rVB2	27449	49505	3.78%	0.206%
50	14.740	1139	1142	1146	rBV	840154	1153169	87.99%	4.808%
51	14.808	1146	1148	1151	rVB3	20168	37161	2.84%	0.155%
52	14.900	1151	1156	1159	rVB6	21054	52819	4.03%	0.220%
53	14.980	1161	1163	1165	rBV	19860	31760	2.42%	0.132%
54	15.060	1165	1170	1171	rBV5	10814	19511	1.49%	0.081%
55	15.094	1171	1173	1177	rBV	703402	1107272	84.49%	4.616%
56	15.220	1181	1184	1190	rVB2	18957	48760	3.72%	0.203%
57	15.334	1192	1194	1197	rBV	33709	59824	4.56%	0.249%
58	15.403	1197	1200	1204	rVB	440599	627792	47.90%	2.617%
59	15.494	1204	1208	1213	rBV2	35199	88571	6.76%	0.369%
60	15.631	1217	1220	1221	rBV2	31751	54097	4.13%	0.226%
61	15.665	1221	1223	1228	rVB2	78958	138030	10.53%	0.575%
62	15.780	1228	1233	1235	rBV	58456	108501	8.28%	0.452%
63	15.837	1235	1238	1243	rBV2	52703	134837	10.29%	0.562%
64	15.974	1247	1250	1252	rVB2	26919	38253	2.92%	0.159%
65	16.020	1252	1254	1258	rVB	23672	39888	3.04%	0.166%
66	16.203	1267	1270	1275	rVB3	19300	50473	3.85%	0.210%
67	16.294	1275	1278	1279	rBV3	12178	25536	1.95%	0.106%
68	16.351	1280	1283	1287	rVB2	12589	35151	2.68%	0.147%
69	16.420	1287	1289	1290	rBV2	13956	19625	1.50%	0.082%
70	16.511	1290	1297	1299	rBV3	25216	78608	6.00%	0.328%
71	16.637	1305	1308	1309	rBV	40295	60219	4.60%	0.251%

LSC Area Percent Report

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Acq On : 9 Dec 2015 2:19
Operator : UM/IZ
Sample : G4637-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PCPY5

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	16.671	1309	1311	1312	rVV	57024	80632	6.15%	0.336%
73	16.706	1312	1314	1316	rVV	34691	59230	4.52%	0.247%
74	16.751	1316	1318	1322	rVB2	41949	64549	4.93%	0.269%
75	16.820	1322	1324	1328	rBV2	43406	73113	5.58%	0.305%
76	16.923	1330	1333	1335	rVV3	49715	102065	7.79%	0.426%
77	16.980	1335	1338	1340	rVV2	802361	1310532	100.00%	5.464%
78	17.026	1340	1342	1345	rVV2	273089	489466	37.35%	2.041%
79	17.083	1345	1347	1349	rVV2	95062	139850	10.67%	0.583%
80	17.117	1349	1350	1353	rVB	58938	80892	6.17%	0.337%
81	17.243	1358	1361	1363	rVV4	13224	31691	2.42%	0.132%
82	17.300	1363	1366	1368	rVB2	32335	64336	4.91%	0.268%
83	17.346	1368	1370	1372	rBV2	46216	59678	4.55%	0.249%
84	17.517	1383	1385	1388	rBV	54675	85441	6.52%	0.356%
85	17.563	1388	1389	1391	rVB	37186	30211	2.31%	0.126%
86	17.631	1391	1395	1396	rBV3	40244	74418	5.68%	0.310%
87	17.666	1396	1398	1401	rBV3	15991	31685	2.42%	0.132%
88	17.906	1416	1419	1420	rBV3	16729	32566	2.48%	0.136%
89	17.951	1421	1423	1426	rVB2	25630	39129	2.99%	0.163%
90	18.111	1432	1437	1443	rBV5	40148	161053	12.29%	0.671%
91	18.214	1444	1446	1448	rBV2	38925	67815	5.17%	0.283%
92	18.249	1448	1449	1455	rVV	295202	674361	51.46%	2.811%
93	18.363	1457	1459	1461	rVV	49953	57252	4.37%	0.239%
94	18.397	1461	1462	1467	rVV3	70831	159905	12.20%	0.667%
95	18.523	1471	1473	1475	rVV	204266	220013	16.79%	0.917%
96	18.580	1475	1478	1480	rVV	271398	331612	25.30%	1.383%
97	18.626	1480	1482	1487	rVB	555118	732114	55.86%	3.052%
98	19.072	1518	1521	1523	rBV	107354	181782	13.87%	0.758%
99	19.883	1589	1592	1602	rVB2	100230	281798	21.50%	1.175%
100	20.249	1621	1624	1629	rBV	76881	224569	17.14%	0.936%

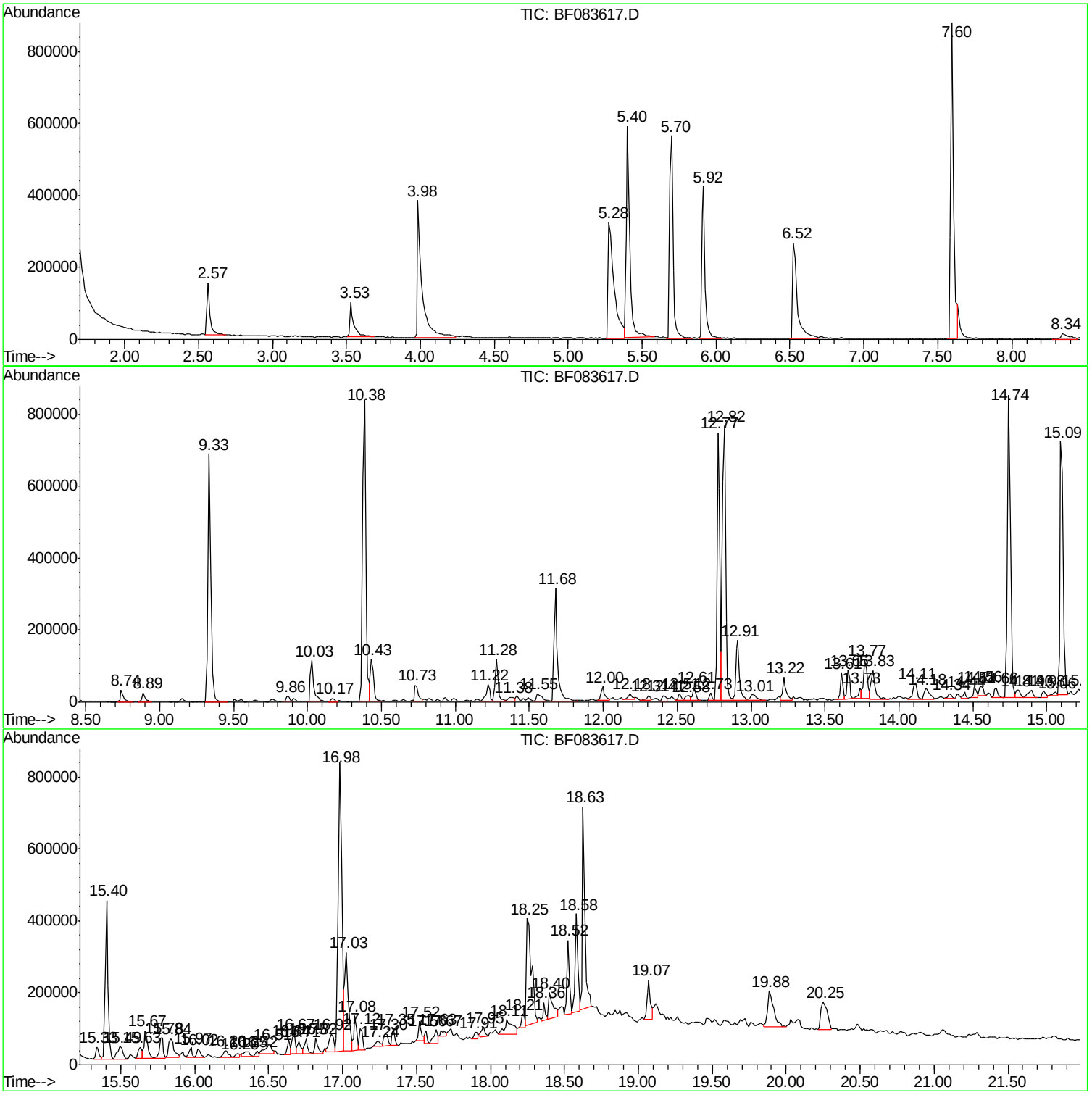
Sum of corrected areas: 23986220

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
Data File : BF083617.D
Acq On : 9 Dec 2015 2:19
Operator : UM/IZ
Sample : G4637-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PCPY5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.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\BF120815\
Data File : BF083617.D
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Misc :
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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

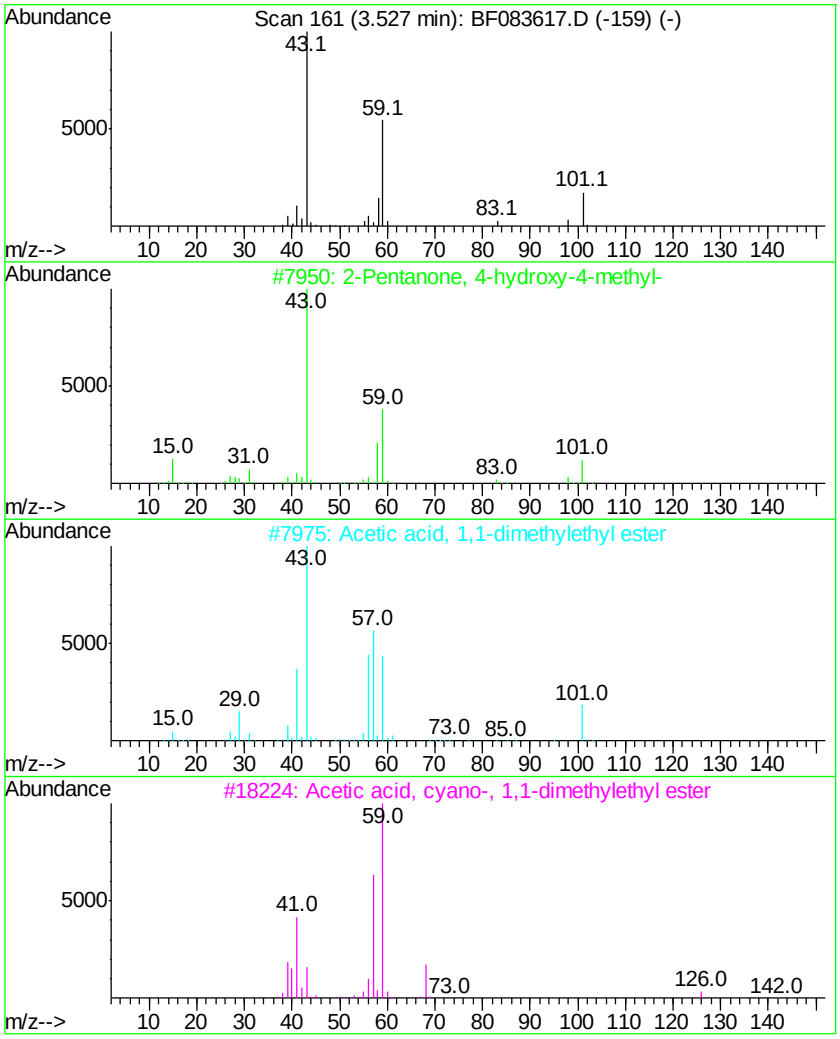
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

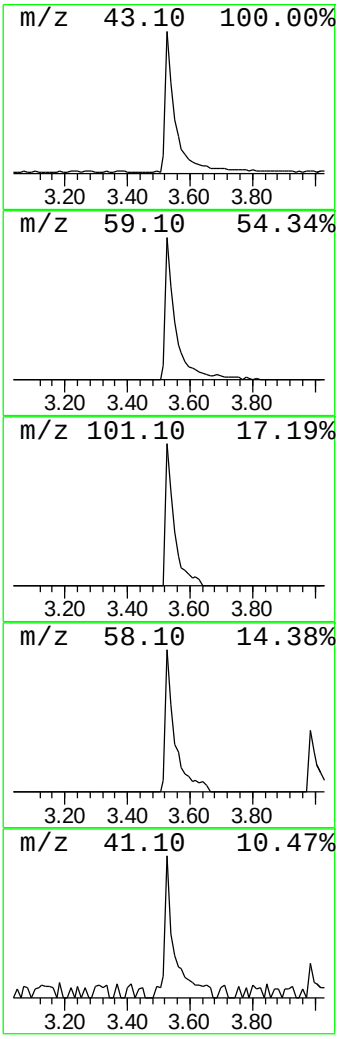
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.53	4.19 ng	190499	1,4-Dichlorobenzene-d4	5.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	5-Hexen-2-one	98	C6H10O	000109-49-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
Data File : BF083617.D
Acq On : 9 Dec 2015 2:19
Operator : UM/IZ
Sample : G4637-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PCPY5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

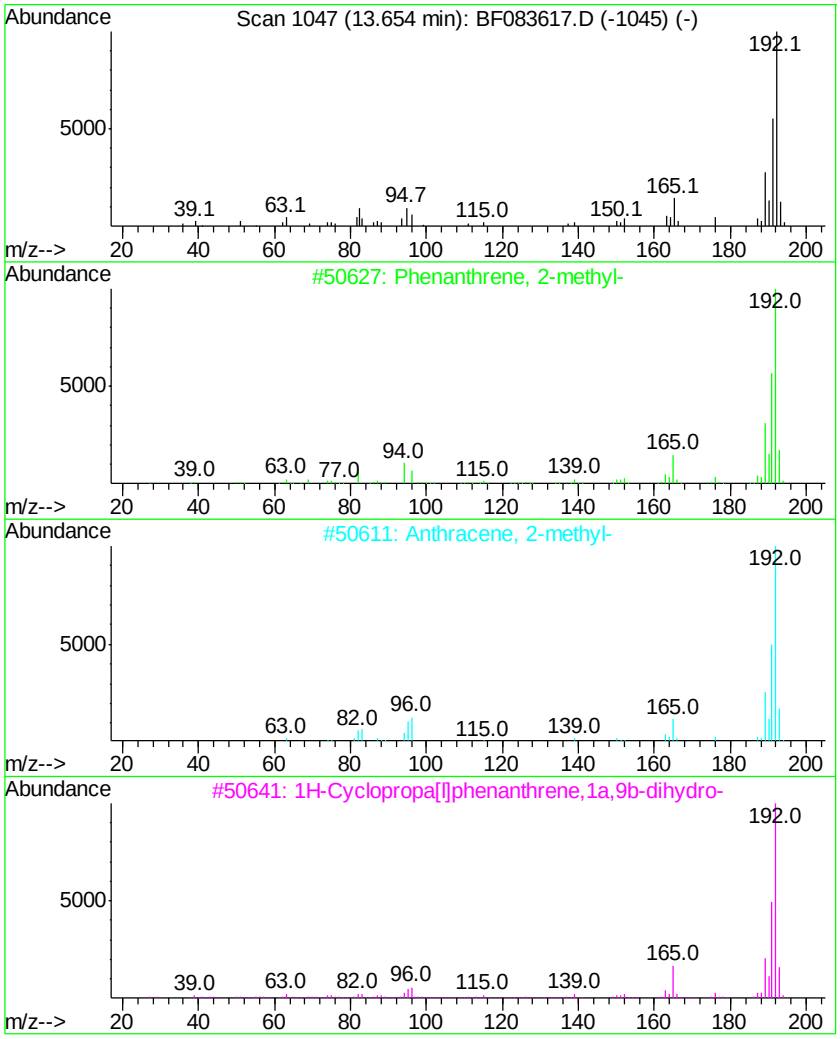
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

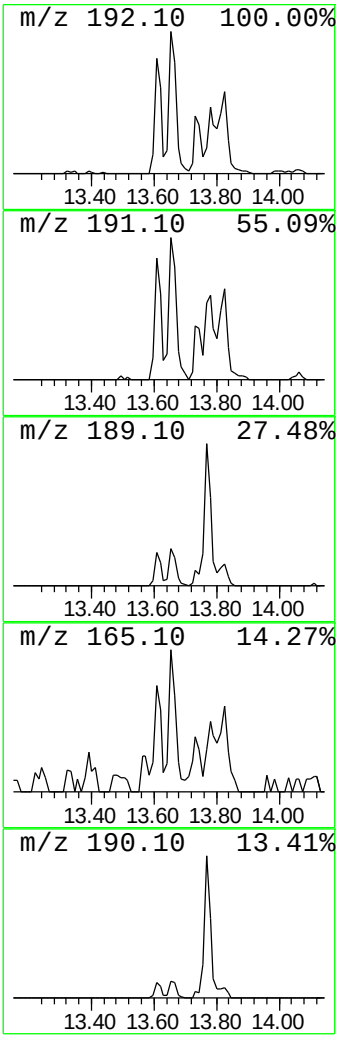
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	2.08 ng	111157	Phenanthrene-d10	12.77

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	94
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





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Sample : G4637-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PCPY5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

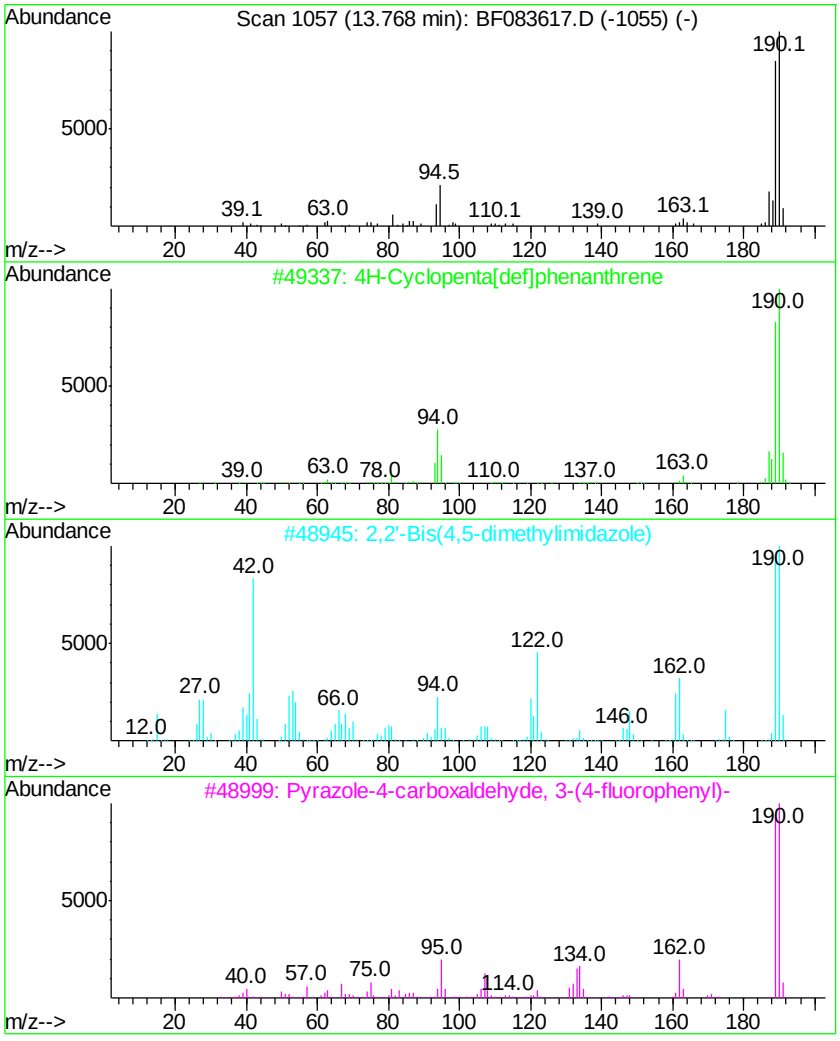
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

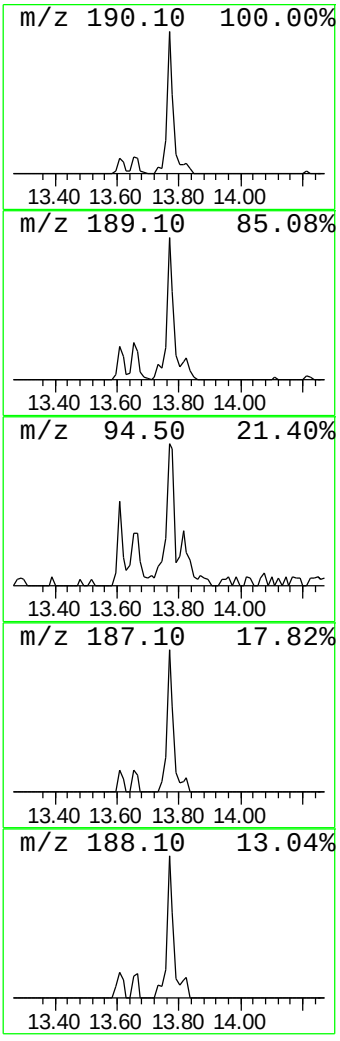
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.77	3.44 ng	184141	Phenanthrene-d10	12.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
2	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	64
3	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	38
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	36
5	3-Fluoro-5-(trifluoromethyl)benz...	189	C8H3F4N	149793-69-1	23





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Acq On : 9 Dec 2015 2:19
Operator : UM/IZ
Sample : G4637-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PCPY5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

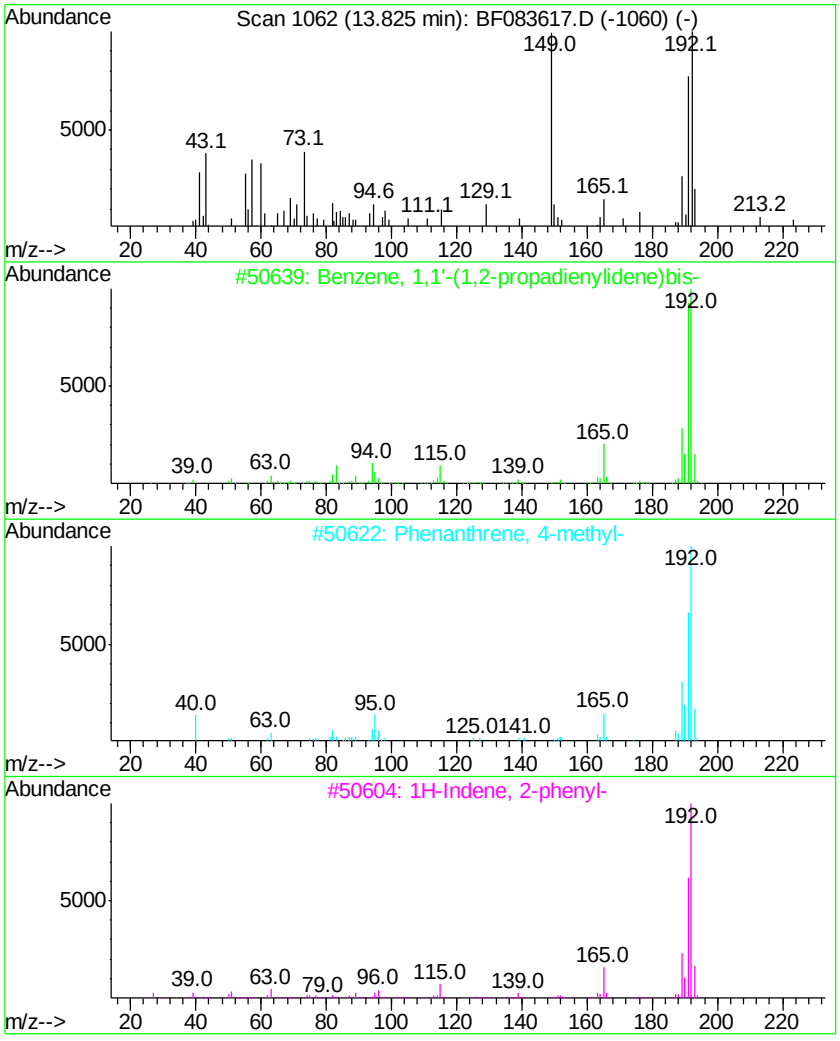
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

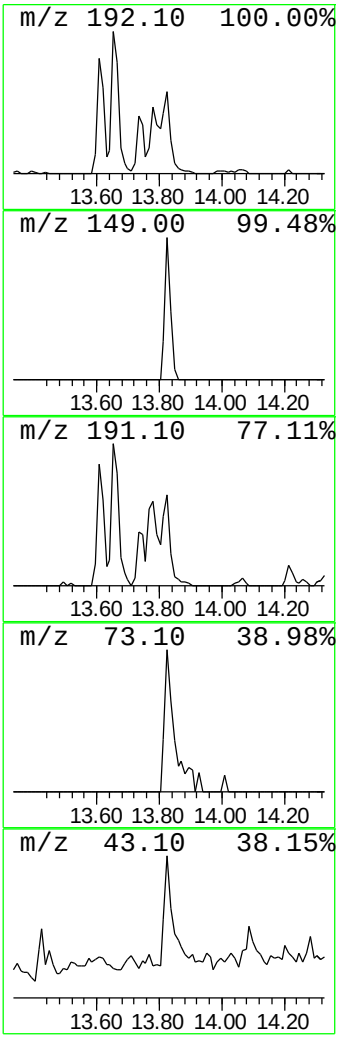
****

Peak Number 7 Benzene, 1,1'-(1,2-propadie... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	2.58 ng	137767	Phenanthrene-d10	12.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	50
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	46
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	46
4	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	43
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
Data File : BF083617.D
Acq On : 9 Dec 2015 2:19
Operator : UM/IZ
Sample : G4637-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PCPY5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

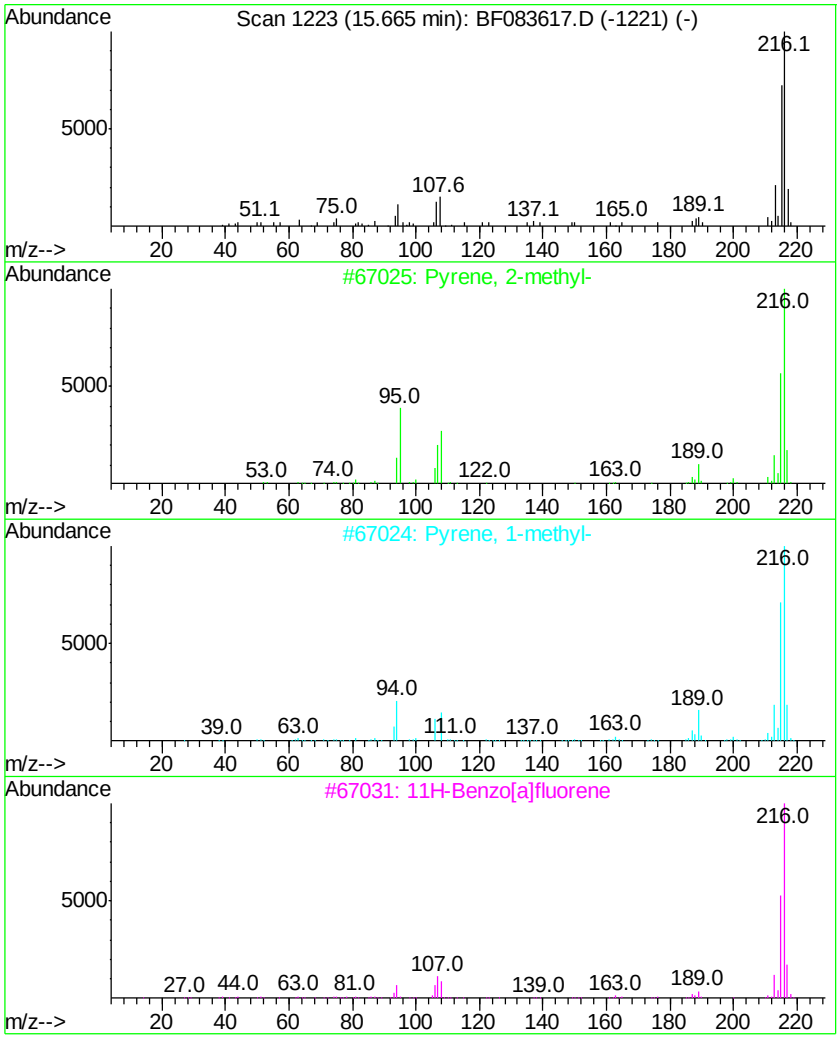
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

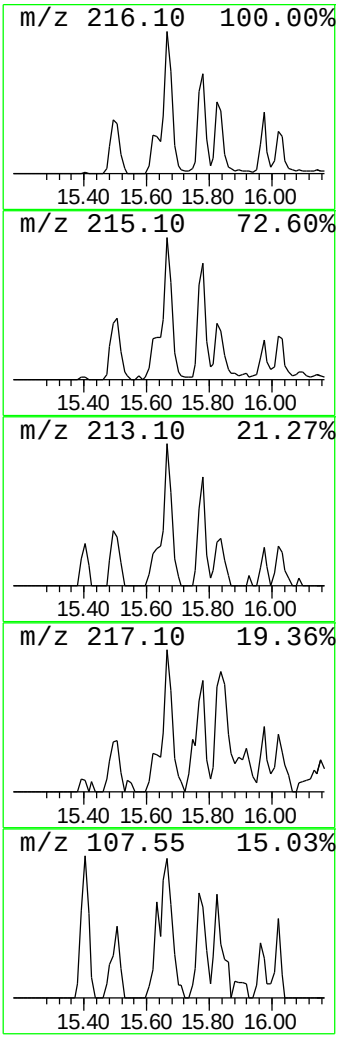
****

Peak Number 8 Pyrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	2.11 ng	138030	Chrysene-d12	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
Data File : BF083617.D
Acq On : 9 Dec 2015 2:19
Operator : UM/IZ
Sample : G4637-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PCPY5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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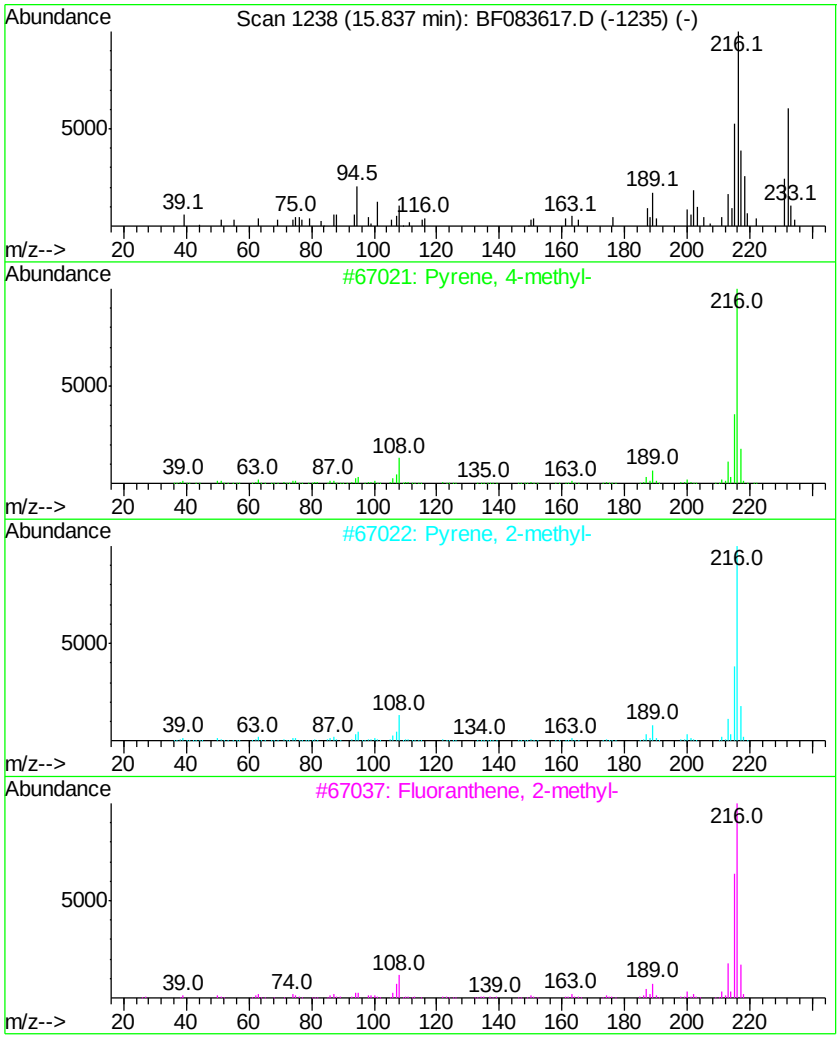
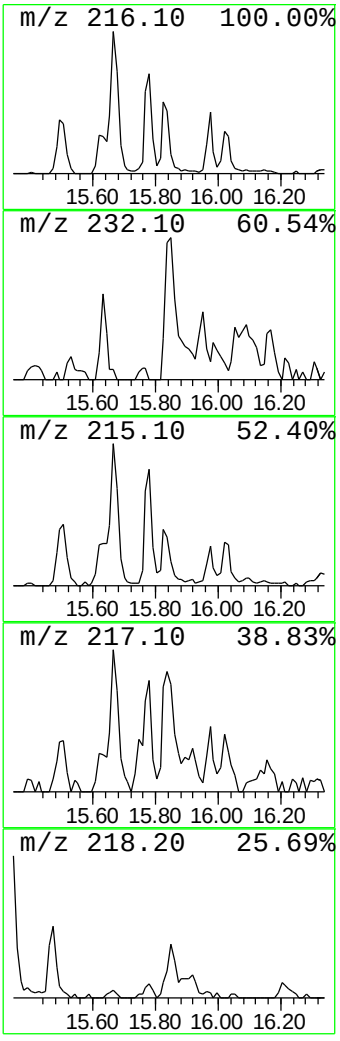
Peak Number 9 unknown15.84 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.84	2.06 ng	134837	Chrysene-d12	16.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	46
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	46
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	46
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	45
5	5-(2-Propenylidene)-10,11-dihydr...	232	C18H16	024755-73-5	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
Data File : BF083617.D
Acq On : 9 Dec 2015 2:19
Operator : UM/IZ
Sample : G4637-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PCPY5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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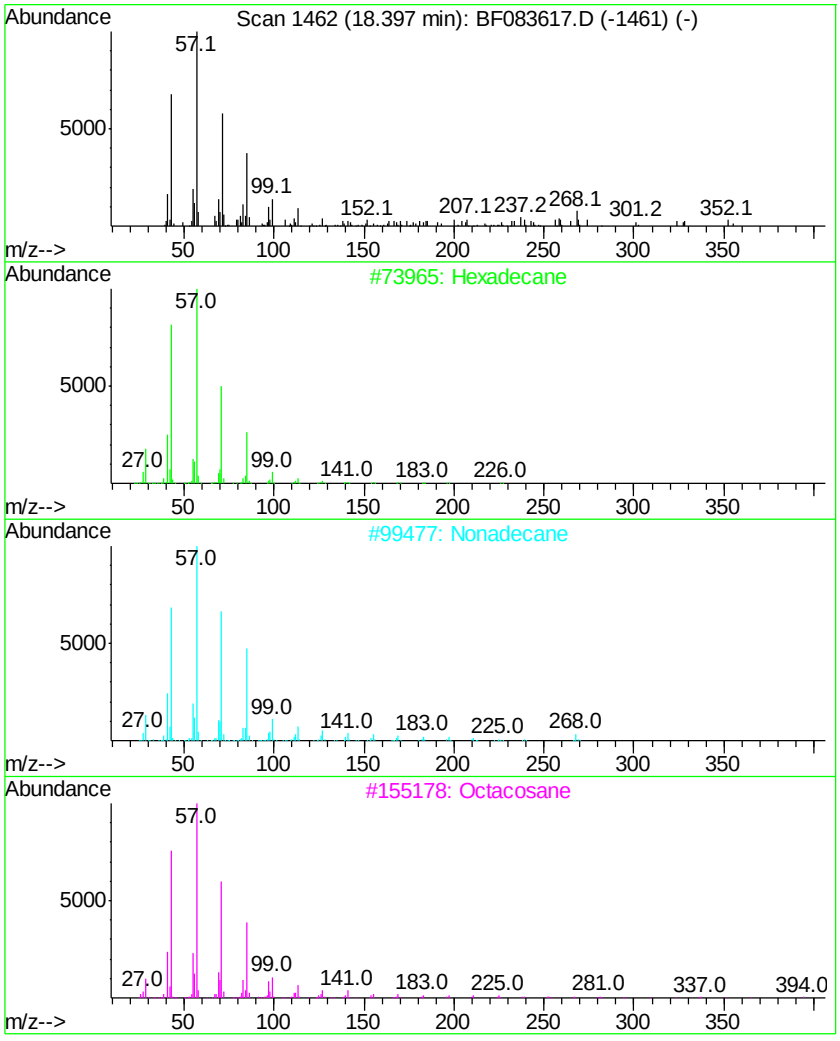
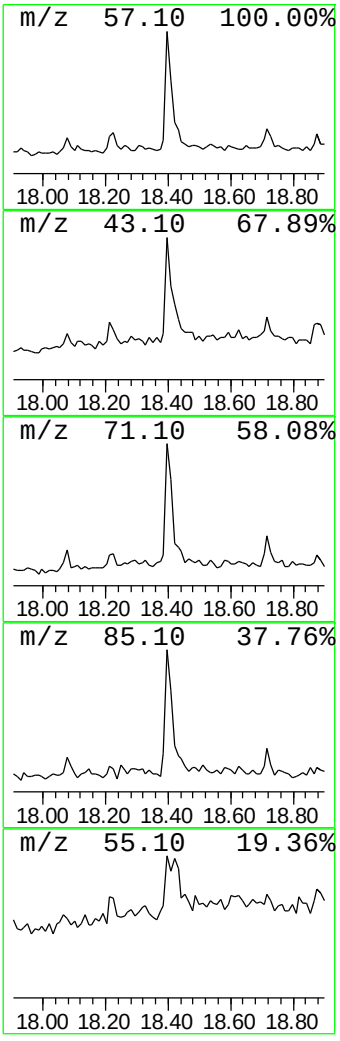
Peak Number 11 Hexadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	4.37 ng	159905	Perylene-d12	18.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Nonadecane	268	C19H40	000629-92-5	87
3	Octacosane	394	C28H58	000630-02-4	87
4	Tetradecane, 2,6,10-trimethyl-	240	C17H36	014905-56-7	83
5	Tetratetracontane	619	C44H90	007098-22-8	83





Data Path : Z:\HPCHEM1\BNA F\DATA\BF120815\
Data File : BF083617.D
Acq On : 9 Dec 2015 2:19
Operator : UM/IZ
Sample : G4637-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PCPY5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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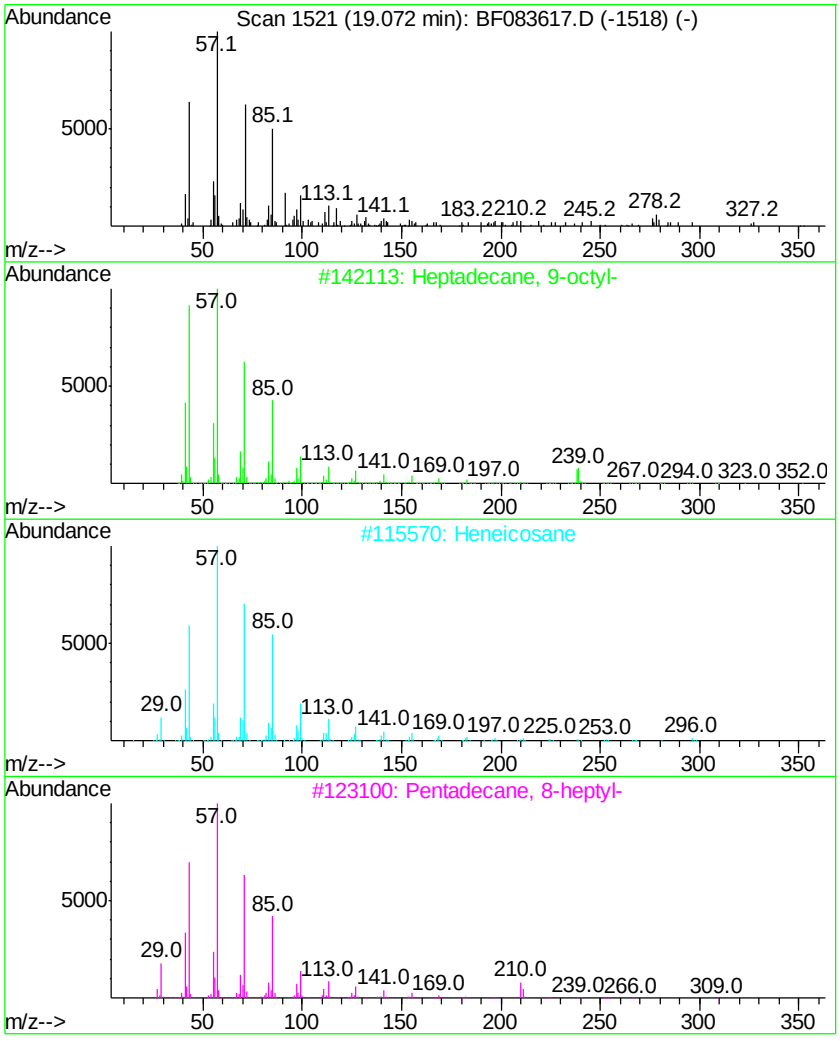
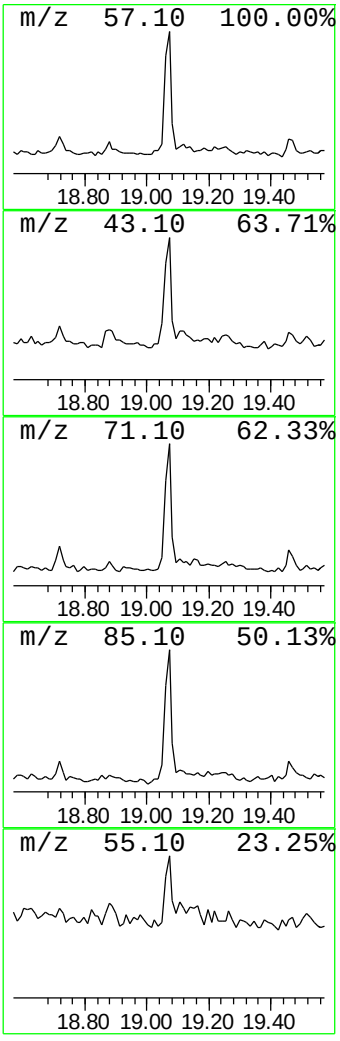
Peak Number 13 Heptadecane, 9-octyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.07	4.97 ng	181782	Perylene-d12	18.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	93
2	Heneicosane	296	C21H44	000629-94-7	91
3	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	83
4	Tetracosane	338	C24H50	000646-31-1	83
5	Hexadecane	226	C16H34	000544-76-3	80





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120815\
Data File : BF083617.D
Acq On : 9 Dec 2015 2:19
Operator : UM/IZ
Sample : G4637-06 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PCPY5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.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...	3.53	4.2	ng	190499	1	5.70	909105	20.0
Phenanthrene, 2-m...	13.65	2.1	ng	111157	4	12.77	1069330	20.0
4H-Cyclopenta[def...	13.77	3.4	ng	184141	4	12.77	1069330	20.0
Benzene, 1,1'-(1,...	13.83	2.6	ng	137767	4	12.77	1069330	20.0
Pyrene, 2-methyl-	15.67	2.1	ng	138030	5	16.99	1310530	20.0
unknown15.84	15.84	2.1	ng	134837	5	16.99	1310530	20.0
Hexadecane	18.40	4.4	ng	159905	6	18.63	732114	20.0
Heptadecane, 9-oc...	19.07	5.0	ng	181782	6	18.63	732114	20.0