LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
Data File : BF084940.D
Acq On : 8 Feb 2016 20:38
Operator : SJ/IZ
Sample : H1320-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S4-B017(5-7)

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-BF020116.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	4.773	233	235	246	rVB	478826	539431	13.92%	1.212%
2	5.230	273	275	278	rBV	1499347	1400451	36.14%	3.145%
3	6.293	366	368	371	rBV	1155405	1390920	35.89%	3.124%
4	6.419	376	379	381	rBV	1440894	1495955	38.60%	3.360%
5	6.647	397	399	401	rBV	1911073	1577621	40.71%	3.543%
6	6.807	410	413	415	rVB	829533	1081222	27.90%	2.428%
7	7.219	446	449	451	rBV	1062876	991487	25.58%	2.227%
8	7.939	509	512	514	rBV	2424413	2270914	58.60%	5.100%
9	8.648	572	574	576	rVB	82750	69471	1.79%	0.156%
10	8.750	581	583	585	rVB	77353	78777	2.03%	0.177%
11	9.013	604	606	608	rBV	1912012	1525069	39.35%	3.425%
12	9.116	611	615	616	rBV2	39416	63092	1.63%	0.142%
13	9.276	626	629	631	rBV	53362	73965	1.91%	0.166%
14	9.345	633	635	636	rVV	114649	108538	2.80%	0.244%
15	9.368	636	637	639	rVV2	42429	63046	1.63%	0.142%
16	9.413	639	641	643	rVV	247105	210471	5.43%	0.473%
17	9.459	643	645	648	rVB	50386	74924	1.93%	0.168%
18	9.539	650	652	655	rBV	124321	158226	4.08%	0.355%
19	9.630	658	660	662	rVV2	55458	52712	1.36%	0.118%
20	9.688	662	665	666	rVV	2389281	2177291	56.18%	4.890%
21	9.710	666	667	670	rVB	185023	242260	6.25%	0.544%
22	9.893	680	683	685	rVV	168969	231661	5.98%	0.520%
23	10.008	690	693	694	rBV3	44149	62398	1.61%	0.140%
24	10.088	698	700	703	rBV2	34270	86094	2.22%	0.193%
25	10.133	703	704	705	rVV	84296	58457	1.51%	0.131%
26	10.202	705	710	711	rVV4	23803	56474	1.46%	0.127%
27	10.225	711	712	715	rVV	255101	264537	6.83%	0.594%
28	10.293	715	718	721	rVV2	47250	97868	2.53%	0.220%
29	10.351	721	723	725	rVV3	44524	85756	2.21%	0.193%
30	10.385	725	726	729	rVB	106552	107757	2.78%	0.242%
31	10.465	731	733	736	rVV2	776998	945912	24.41%	2.125%
32	10.602	743	745	749	rVB	128716	161660	4.17%	0.363%
33	10.773	757	760	762	rBV3	65467	125136	3.23%	0.281%
34	10.853	764	767	769	rVB4	29702	54847	1.42%	0.123%

LSC Area Percent Report

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Acq On : 8 Feb 2016 20:38
Operator : SJ/IZ
Sample : H1320-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S4-B017(5-7)

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-BF020116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.922	769	773	776	rBV4	62699	185492	4.79%	0.417%
36	10.968	776	777	780	rVB	138384	137123	3.54%	0.308%
37	11.013	780	781	783	rBV2	72745	112530	2.90%	0.253%
38	11.059	783	785	788	rVB2	159383	242152	6.25%	0.544%
39	11.185	792	796	798	rBV2	2052210	3875469	100.00%	8.704%
40	11.242	798	801	802	rVB	391228	542430	14.00%	1.218%
41	11.276	802	804	806	rBV	63478	76497	1.97%	0.172%
42	11.402	811	815	816	rBV2	143321	202017	5.21%	0.454%
43	11.459	819	820	822	rBV2	72313	104607	2.70%	0.235%
44	11.494	822	823	826	rVB3	42951	52796	1.36%	0.119%
45	11.574	828	830	832	rVB2	31069	43829	1.13%	0.098%
46	11.665	835	838	839	rBV	252430	260034	6.71%	0.584%
47	11.688	839	840	843	rVB	320609	311588	8.04%	0.700%
48	11.734	843	844	846	rBV	134702	153066	3.95%	0.344%
49	11.768	846	847	852	rVB2	341970	609898	15.74%	1.370%
50	11.848	852	854	855	rBV2	49590	63650	1.64%	0.143%
51	11.882	855	857	860	rVB3	58589	84716	2.19%	0.190%
52	11.962	861	864	865	rBV	200775	200252	5.17%	0.450%
53	12.111	874	877	878	rBV2	71395	105096	2.71%	0.236%
54	12.156	880	881	883	rVB2	49701	62545	1.61%	0.140%
55	12.214	883	886	887	rBV	155439	209239	5.40%	0.470%
56	12.248	887	889	890	rVV	60720	78769	2.03%	0.177%
57	12.271	890	891	892	rVB	113010	77525	2.00%	0.174%
58	12.294	892	893	897	rVB	184444	189506	4.89%	0.426%
59	12.374	897	900	902	rBV	2681872	2477383	63.92%	5.564%
60	12.431	902	905	907	rBV2	52942	92307	2.38%	0.207%
61	12.465	907	908	909	rVB	76765	52661	1.36%	0.118%
62	12.511	909	912	915	rBV2	105185	180273	4.65%	0.405%
63	12.602	917	920	922	rBV	1849142	2595256	66.97%	5.829%
64	12.648	922	924	927	rVB3	118469	226377	5.84%	0.508%
65	12.716	928	930	931	rBV	148679	134971	3.48%	0.303%
66	12.751	931	933	935	rVB	931672	1071544	27.65%	2.407%
67	12.819	935	939	940	rBV2	131213	168711	4.35%	0.379%
68	12.922	945	948	950	rVB2	194950	345619	8.92%	0.776%
69	12.991	952	954	955	rBV	159730	119862	3.09%	0.269%
70	13.025	955	957	961	rVB2	224485	278511	7.19%	0.626%
71	13.117	964	965	967	rBV	125164	99585	2.57%	0.224%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
Data File : BF084940.D
Acq On : 8 Feb 2016 20:38
Operator : SJ/IZ
Sample : H1320-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S4-B017(5-7)

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-BF020116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.151	967	968	970	rBV2	119243	91425	2.36%	0.205%
73	13.231	973	975	978	rVB4	52002	68273	1.76%	0.153%
74	13.288	978	980	983	rBV3	72061	124342	3.21%	0.279%
75	13.334	983	984	989	rVB2	109456	133215	3.44%	0.299%
76	13.437	990	993	995	rVB	138641	185596	4.79%	0.417%
77	13.539	999	1002	1003	rBV	187356	209899	5.42%	0.471%
78	13.562	1003	1004	1007	rVV2	91264	234649	6.05%	0.527%
79	13.642	1009	1011	1015	rVB2	177864	352003	9.08%	0.791%
80	13.791	1021	1024	1030	rVB2	1665741	2943954	75.96%	6.612%
81	13.894	1031	1033	1034	rBV2	122537	97540	2.52%	0.219%
82	13.985	1038	1041	1042	rBV3	90027	134441	3.47%	0.302%
83	14.145	1053	1055	1056	rBV2	40442	42131	1.09%	0.095%
84	14.180	1056	1058	1060	rVV	173086	175617	4.53%	0.394%
85	14.214	1060	1061	1063	rVV	77060	62546	1.61%	0.140%
86	14.282	1065	1067	1072	rVB4	83026	231900	5.98%	0.521%
87	14.580	1089	1093	1096	rBV3	92010	181381	4.68%	0.407%
88	14.637	1096	1098	1103	rVV3	130182	237252	6.12%	0.533%
89	14.785	1109	1111	1116	rBV	698500	1344746	34.70%	3.020%
90	14.877	1117	1119	1121	rVB	160570	200388	5.17%	0.450%
91	15.048	1132	1134	1137	rVB	436659	538413	13.89%	1.209%
92	15.105	1137	1139	1142	rBV	681960	723687	18.67%	1.625%
93	15.162	1142	1144	1146	rBV	948031	1186932	30.63%	2.666%
94	15.574	1178	1180	1182	rBV	58281	80077	2.07%	0.180%
95	16.431	1252	1255	1259	rVB	264570	512953	13.24%	1.152%
96	16.568	1265	1267	1269	rBV	49092	94486	2.44%	0.212%
97	16.797	1285	1287	1292	rVB	208247	412205	10.64%	0.926%
98	17.014	1303	1306	1309	rBV	53210	115503	2.98%	0.259%

Sum of corrected areas: 44523840

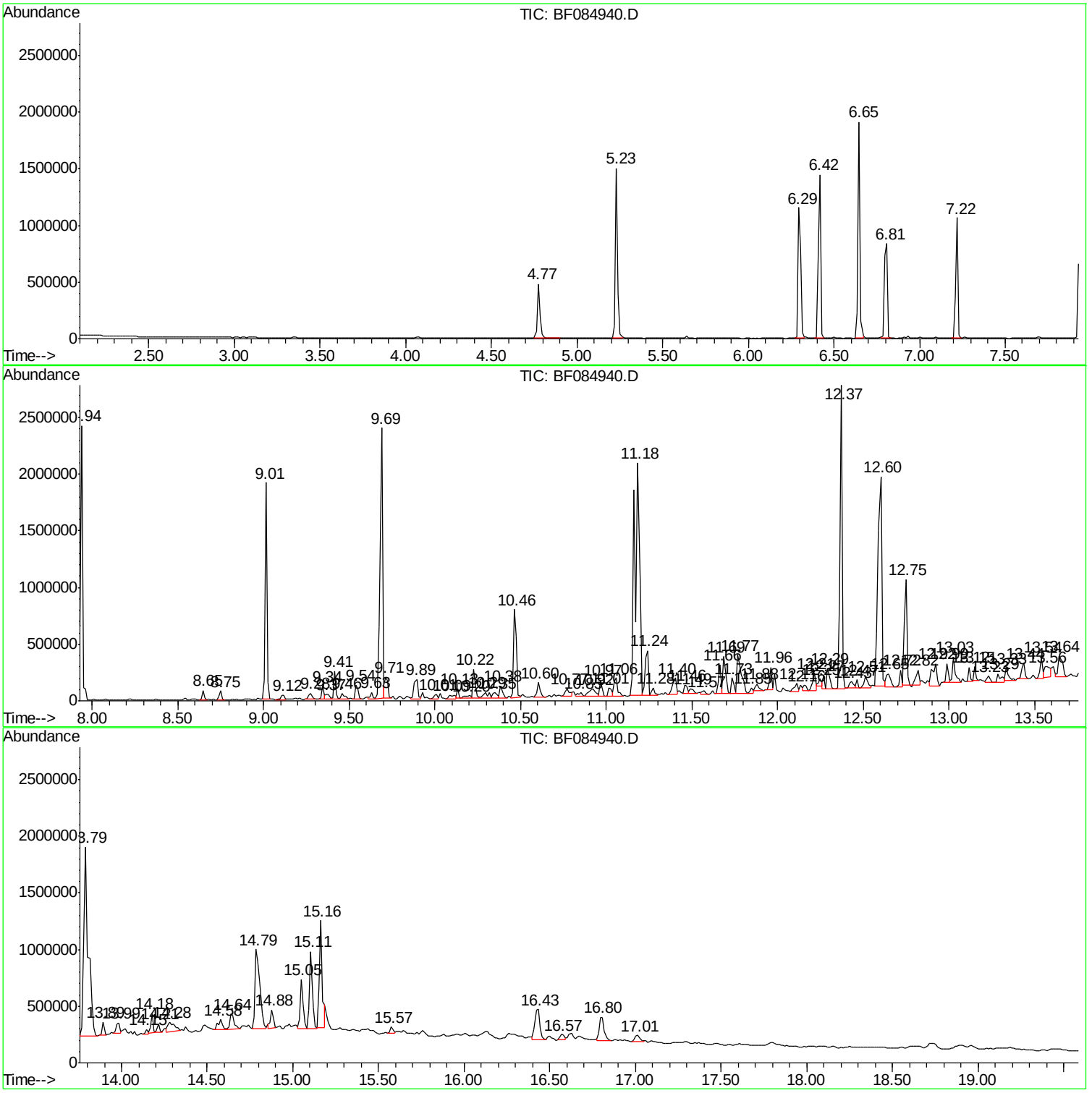
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
Data File : BF084940.D
Acq On : 8 Feb 2016 20:38
Operator : SJ/IZ
Sample : H1320-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S4-B017(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.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\BF020816\
Data File : BF084940.D
Acq On : 8 Feb 2016 20:38
Operator : SJ/IZ
Sample : H1320-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S4-B017(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

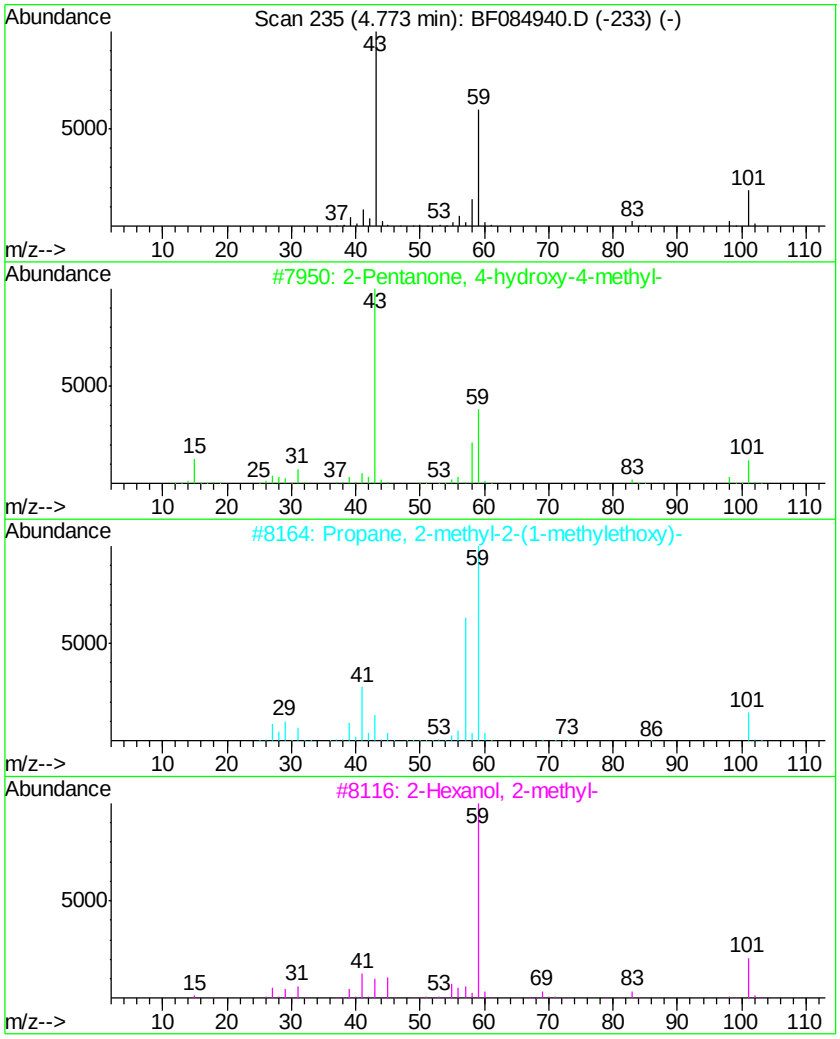
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

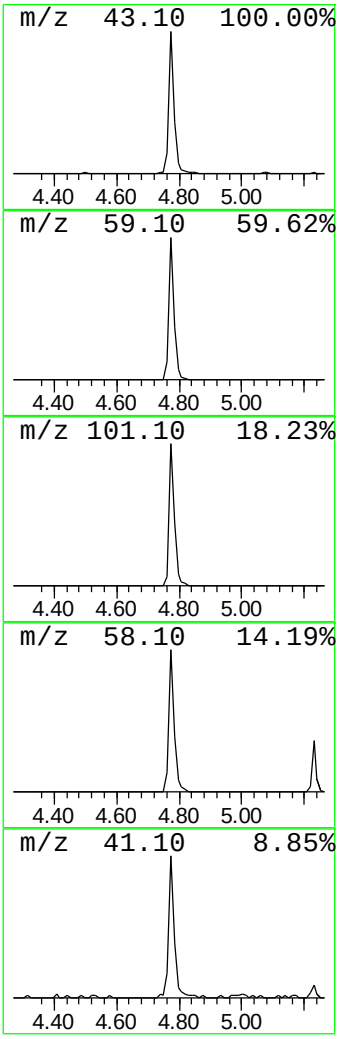
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.77	6.84 ng	539431	1,4-Dichlorobenzene-d4	6.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
Data File : BF084940.D
Acq On : 8 Feb 2016 20:38
Operator : SJ/IZ
Sample : H1320-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S4-B017(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

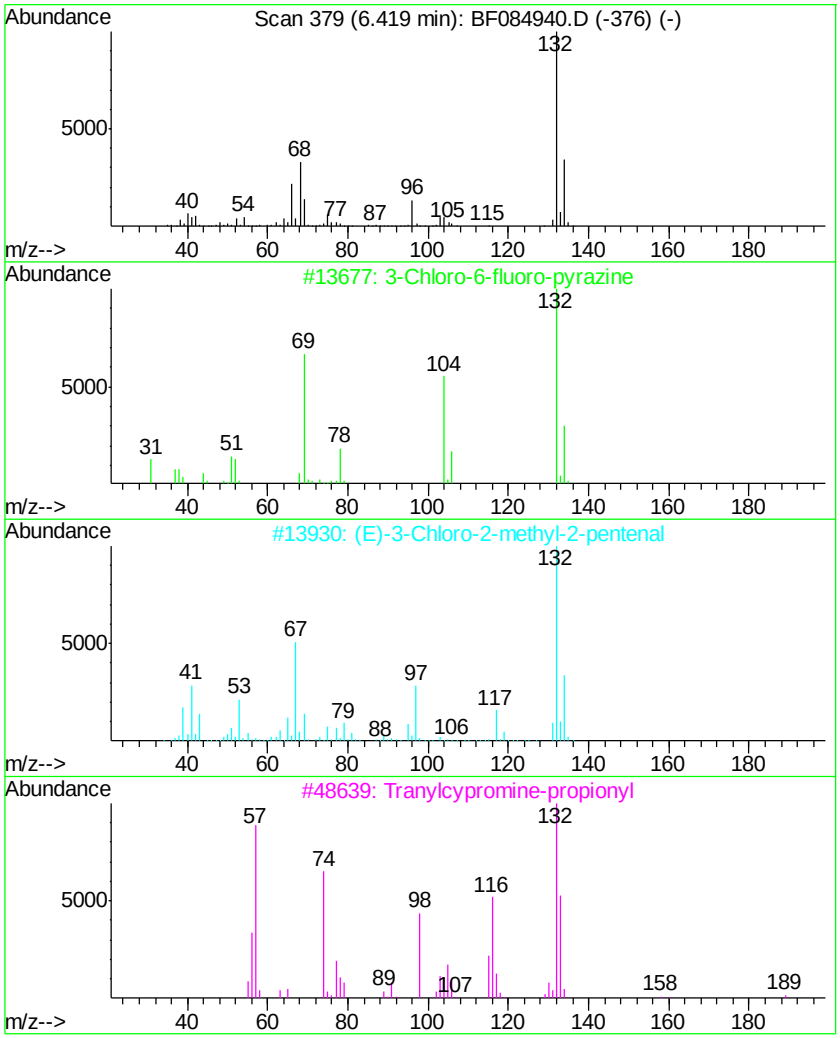
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

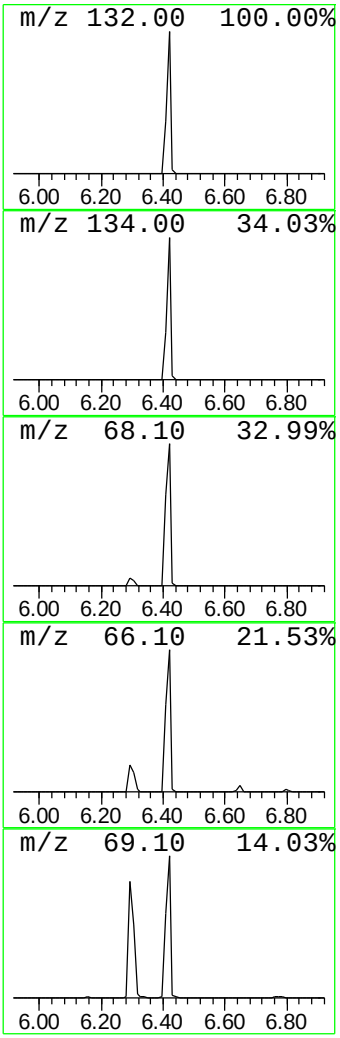
****

Peak Number 2 unknown6.42 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.42	18.96 ng	1495960	1,4-Dichlorobenzene-d4	6.65

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
Data File : BF084940.D
Acq On : 8 Feb 2016 20:38
Operator : SJ/IZ
Sample : H1320-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S4-B017(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

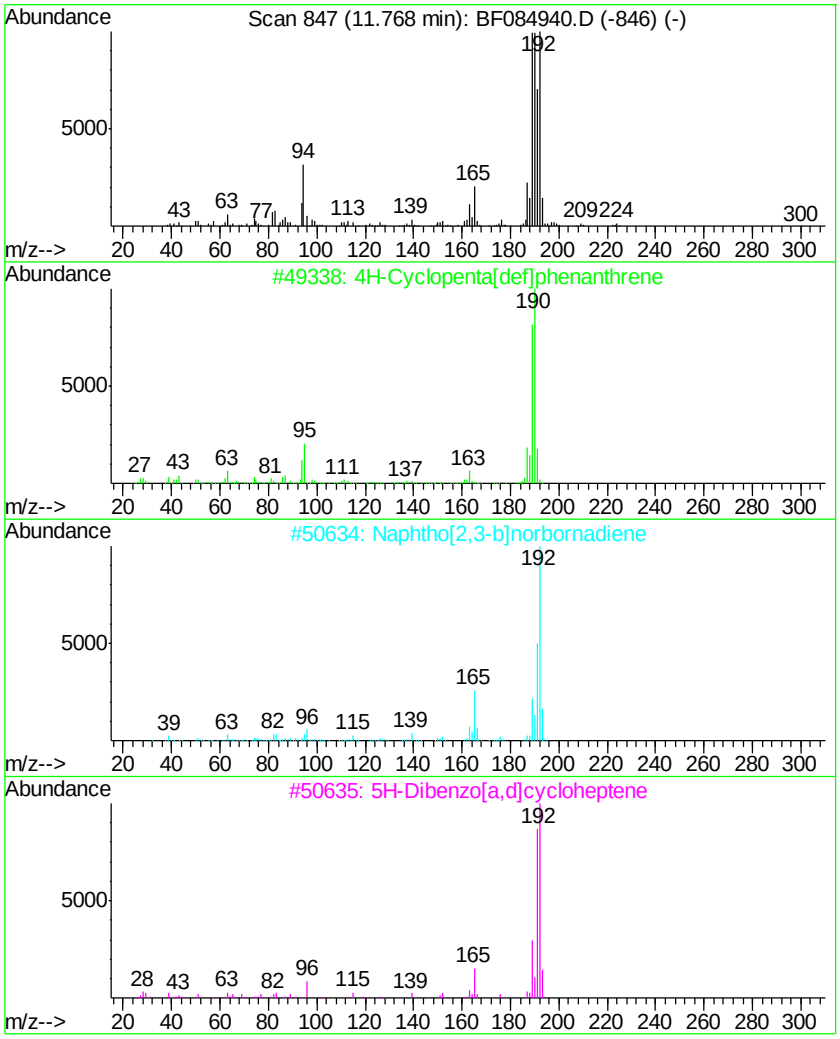
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

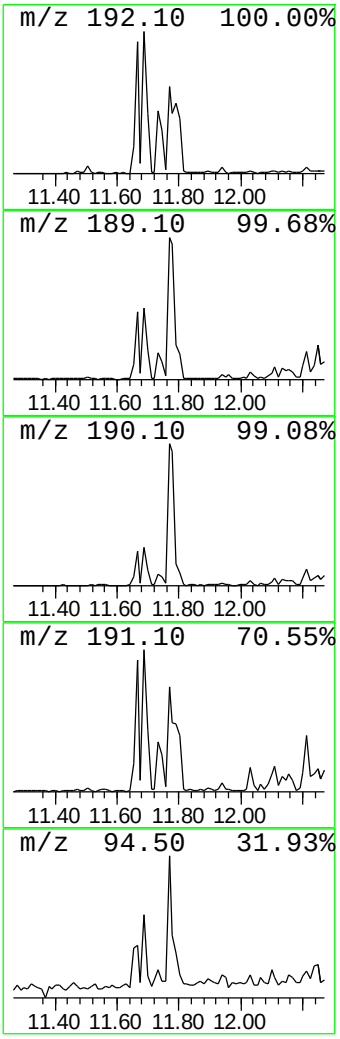
****

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	3.15 ng	609898	Phenanthrene-d10	11.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
2	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	46
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	42
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
Data File : BF084940.D
Acq On : 8 Feb 2016 20:38
Operator : SJ/IZ
Sample : H1320-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S4-B017(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

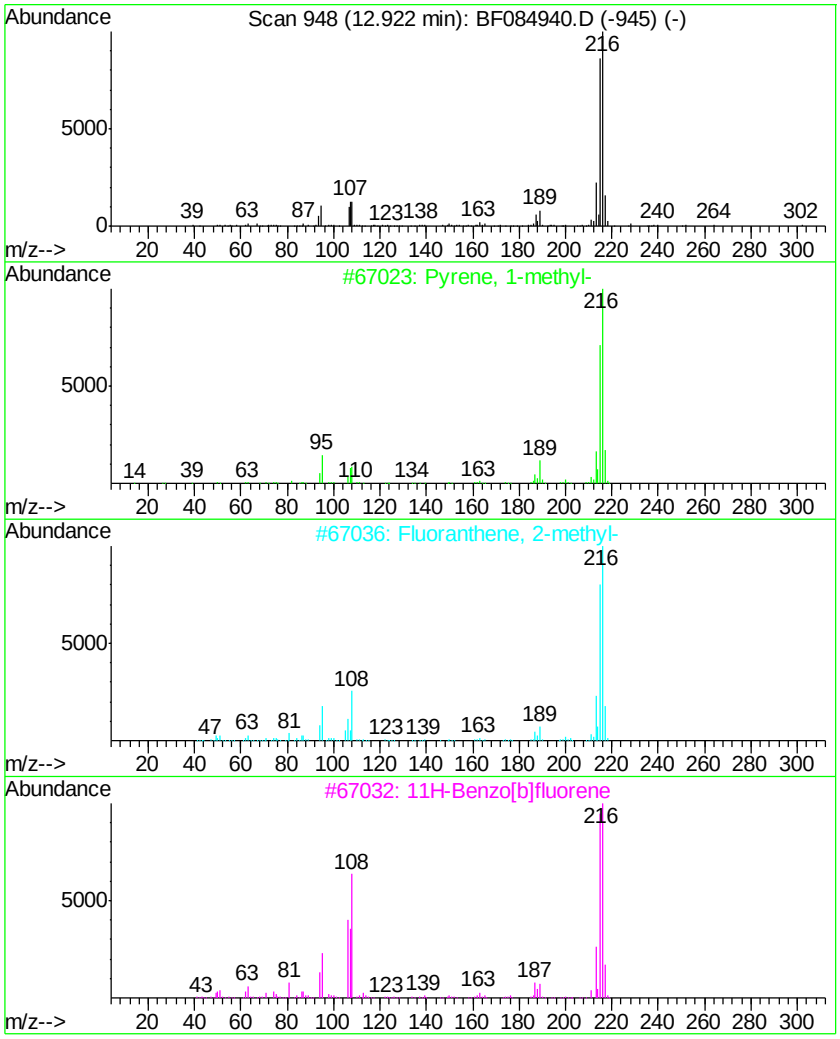
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

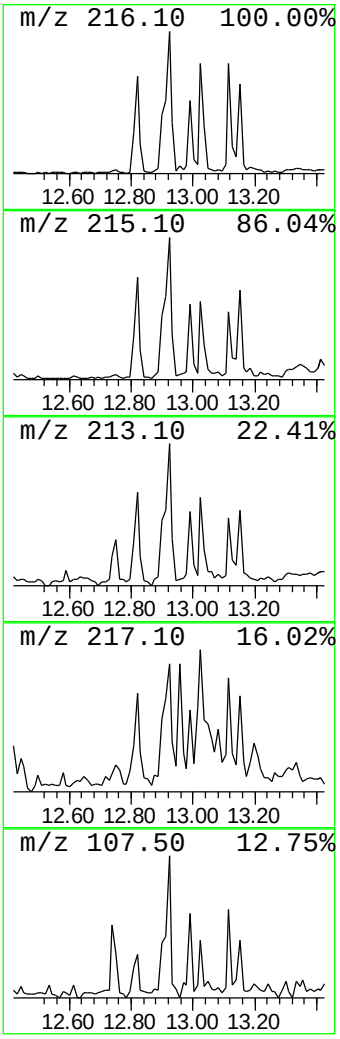
****

Peak Number 5 Pyrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.92	2.35 ng	345619	Chrysene-d12	13.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
Data File : BF084940.D
Acq On : 8 Feb 2016 20:38
Operator : SJ/IZ
Sample : H1320-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S4-B017(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

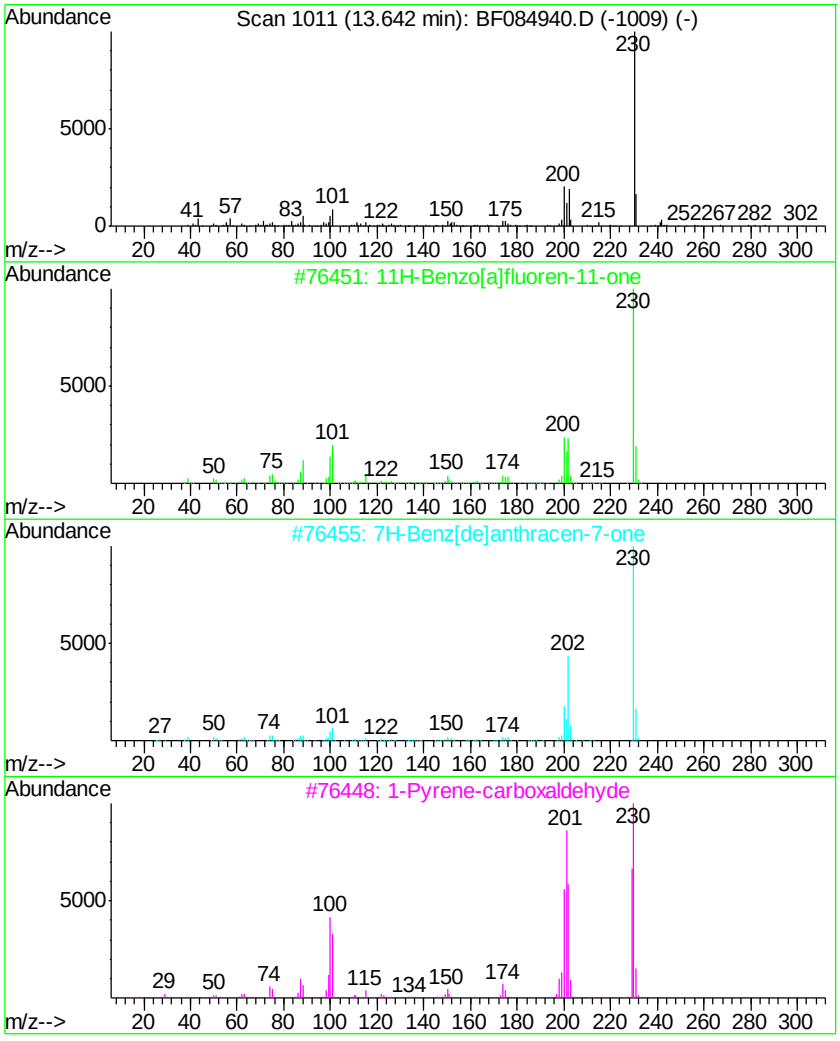
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

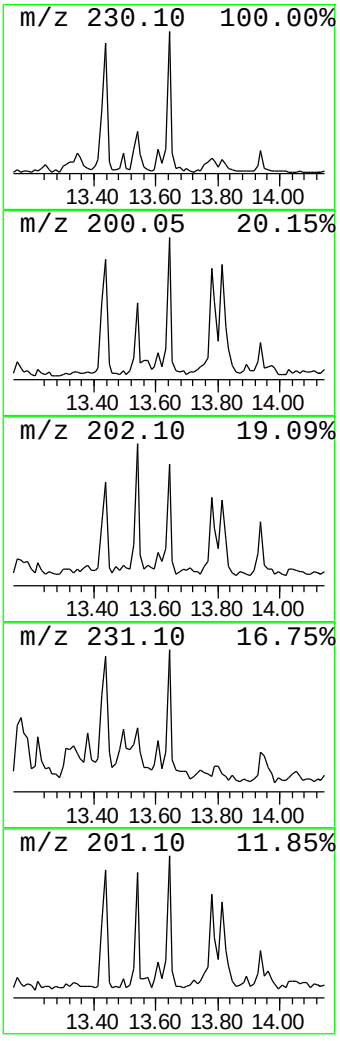
****

Peak Number 6 11H-Benzo[a]fluoren-11-one Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.64	2.39 ng	352003	Chrysene-d12	13.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	72
4	4-Chloro-indeno[1,2-b]pyridin-5-...	230	C12H7ClN2O	1000294-18-6	64
5	4-Isothiazolecarbonitrile, 3,5-b...	230	C8H10N2S3	024135-13-5	59





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
Data File : BF084940.D
Acq On : 8 Feb 2016 20:38
Operator : SJ/IZ
Sample : H1320-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S4-B017(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.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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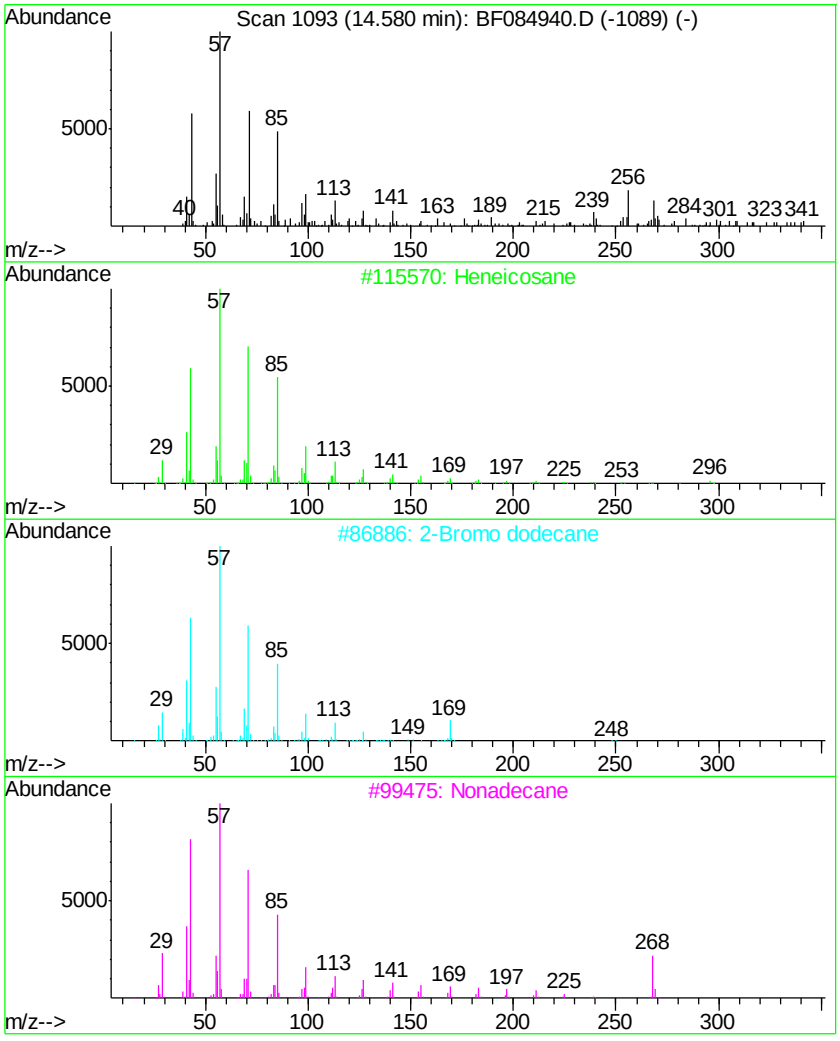
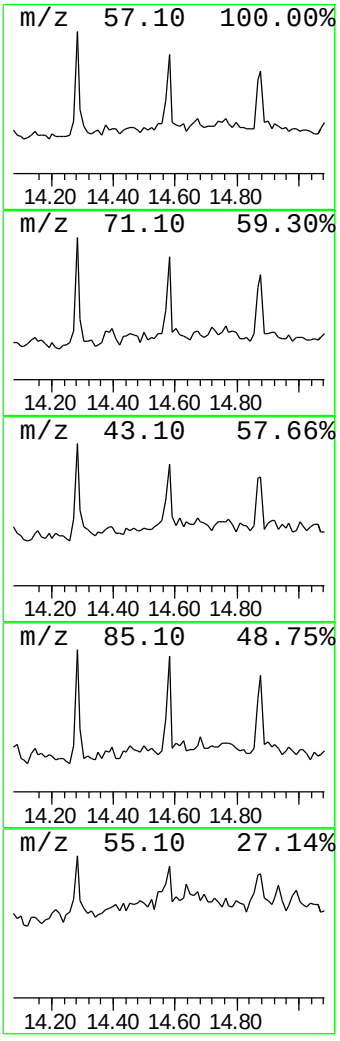
Peak Number 7 Heneicosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.58	3.06 ng	181381	Perylene-d12	15.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	96
2	2-Bromo dodecane	248	C12H25Br	013187-99-0	93
3	Nonadecane	268	C19H40	000629-92-5	90
4	Heptadecane	240	C17H36	000629-78-7	90
5	Eicosane, 2-methyl-	296	C21H44	001560-84-5	81





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
Data File : BF084940.D
Acq On : 8 Feb 2016 20:38
Operator : SJ/IZ
Sample : H1320-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S4-B017(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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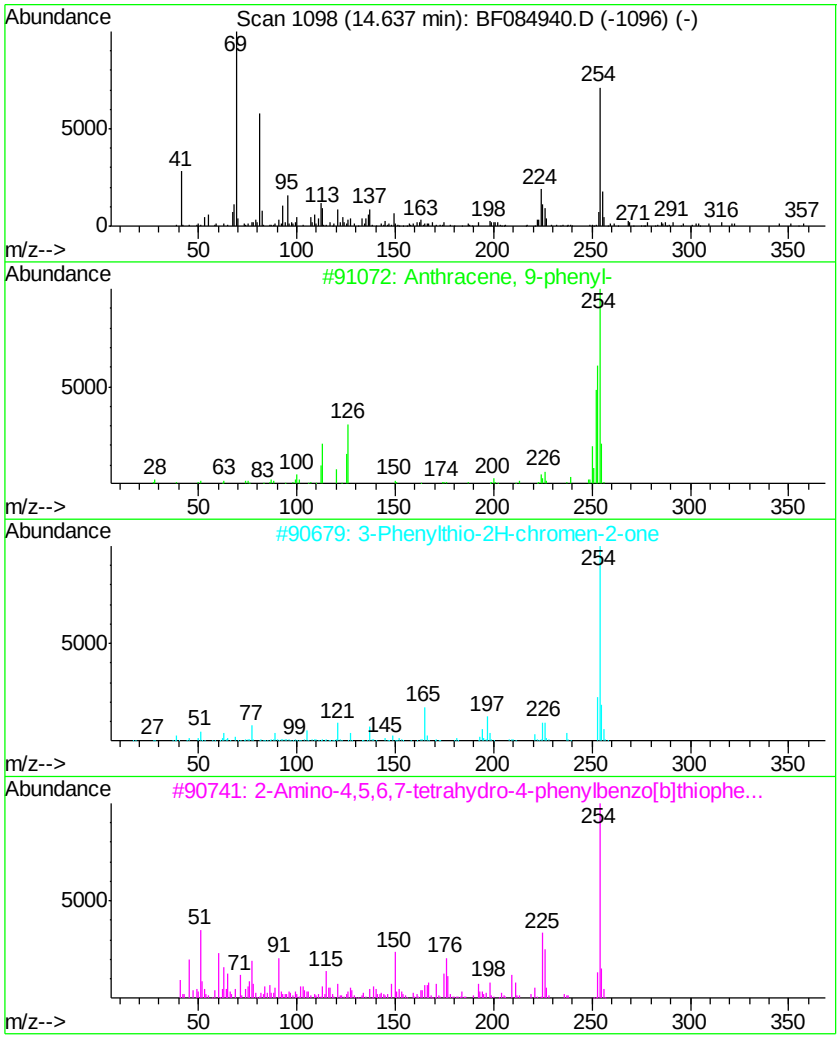
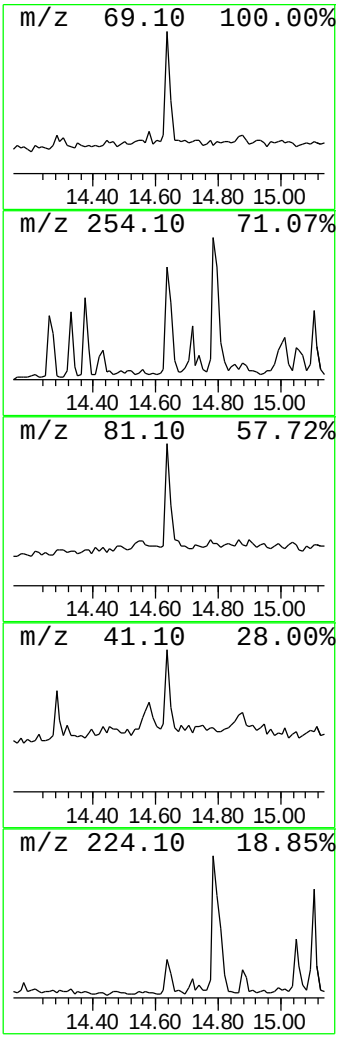
Peak Number 8 unknown14.64 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.64	4.00 ng	237252	Perylene-d12	15.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	27
2	3-Phenylthio-2H-chromen-2-one	254	C15H10O2S	072167-95-4	25
3	2-Amino-4,5,6,7-tetrahydro-4-phe...	254	C15H14N2S	037071-22-0	22
4	Fluorene, 9-(2-pyridinyl)methylene-	255	C19H13N	002871-27-4	22
5	Chrysin	254	C15H10O4	000480-40-0	14





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020816\
Data File : BF084940.D
Acq On : 8 Feb 2016 20:38
Operator : SJ/IZ
Sample : H1320-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S4-B017(5-7)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020116.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...	4.77	6.8	ng	539431	1	6.65	1577620	20.0
unknown6.42	6.42	19.0	ng	1495960	1	6.65	1577620	20.0
4H-Cyclopenta[def...	11.77	3.1	ng	609898	4	11.16	3875470	20.0
Pyrene, 1-methyl-	12.92	2.4	ng	345619	5	13.79	2943950	20.0
11H-Benzo[a]fluor...	13.64	2.4	ng	352003	5	13.79	2943950	20.0
Heneicosane	14.58	3.1	ng	181381	6	15.16	1186930	20.0
unknown14.64	14.64	4.0	ng	237252	6	15.16	1186930	20.0