LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040616\
Data File : BF086119.D
Acq On : 7 Apr 2016 1:18
Operator : UM/SJ
Sample : H2055-14
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BH-14(0-4)

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

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.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	4.910	245	247	255	rBV	40359	56951	3.14%	0.233%
2	5.344	282	285	287	rBV	1151805	1714880	94.47%	7.020%
3	6.396	374	377	379	rBV	1411292	1815185	100.00%	7.431%
4	6.510	385	387	390	rBV	1859820	1744455	96.10%	7.141%
5	6.739	405	407	410	rBV	585906	640061	35.26%	2.620%
6	6.899	419	421	423	rBV	1686182	1440554	79.36%	5.897%
7	7.310	455	457	460	rBV	1188618	1056417	58.20%	4.325%
8	8.030	517	520	522	rBV	928973	796672	43.89%	3.261%
9	9.105	612	614	617	rBV	1883036	1587819	87.47%	6.500%
10	9.447	642	644	647	rBV	23726	44244	2.44%	0.181%
11	9.505	647	649	651	rBV	229788	187761	10.34%	0.769%
12	9.642	660	661	664	rBV	41589	37776	2.08%	0.155%
13	9.722	666	668	670	rBV	40728	44438	2.45%	0.182%
14	9.779	671	673	675	rVV	770425	699020	38.51%	2.862%
15	9.813	675	676	678	rVB	39539	34597	1.91%	0.142%
16	9.950	685	688	689	rBV3	8608	18155	1.00%	0.074%
17	9.985	689	691	694	rVV3	27992	47691	2.63%	0.195%
18	10.030	694	695	697	rVB2	16718	19768	1.09%	0.081%
19	10.190	707	709	710	rBV	16914	23881	1.32%	0.098%
20	10.213	710	711	713	rVB	71617	57035	3.14%	0.233%
21	10.328	719	721	724	rVB	57864	60245	3.32%	0.247%
22	10.396	724	727	728	rBV2	12649	23014	1.27%	0.094%
23	10.442	728	731	734	rVB3	17169	32921	1.81%	0.135%
24	10.488	734	735	737	rVB	28873	21535	1.19%	0.088%
25	10.568	740	742	745	rBV	831281	877220	48.33%	3.591%
26	10.693	751	753	757	rVB2	60596	106524	5.87%	0.436%
27	10.876	767	769	770	rBV	33977	38655	2.13%	0.158%
28	11.025	778	782	785	rVB3	22456	43000	2.37%	0.176%
29	11.139	788	792	793	rBV2	27445	52327	2.88%	0.214%
30	11.162	793	794	797	rVB	50305	46145	2.54%	0.189%
31	11.265	801	803	804	rBV	794638	711502	39.20%	2.913%
32	11.345	807	810	811	rVV	120902	154247	8.50%	0.631%
33	11.379	811	813	816	rVB2	16316	21723	1.20%	0.089%
34	11.505	822	824	828	rBV2	45172	60005	3.31%	0.246%

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Acq On : 7 Apr 2016 1:18
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Sample : H2055-14
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BH-14(0-4)

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

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

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.596	830	832	835	rVB2	24428	32951	1.82%	0.135%
36	11.768	844	847	848	rBV	106511	109974	6.06%	0.450%
37	11.791	848	849	852	rVV2	123642	164325	9.05%	0.673%
38	11.836	852	853	855	rVV	43046	57411	3.16%	0.235%
39	11.871	855	856	861	rVB	117880	238547	13.14%	0.977%
40	11.951	861	863	866	rBV3	15848	36860	2.03%	0.151%
41	11.996	866	867	869	rBV2	11470	19649	1.08%	0.080%
42	12.065	870	873	874	rVV	41940	66167	3.65%	0.271%
43	12.099	874	876	877	rVB2	32513	35766	1.97%	0.146%
44	12.213	883	886	887	rBV2	20914	36489	2.01%	0.149%
45	12.236	887	888	890	rVV	23665	34859	1.92%	0.143%
46	12.316	892	895	896	rBV	86883	102257	5.63%	0.419%
47	12.351	896	898	901	rVB2	63511	92787	5.11%	0.380%
48	12.408	901	903	907	rVB	58178	79759	4.39%	0.327%
49	12.476	907	909	911	rBV	864440	753483	41.51%	3.084%
50	12.522	911	913	916	rVB2	20165	36341	2.00%	0.149%
51	12.579	916	918	920	rBV3	26635	39874	2.20%	0.163%
52	12.625	920	922	924	rVB2	43752	41150	2.27%	0.168%
53	12.705	924	929	931	rBV	652437	896792	49.40%	3.671%
54	12.751	931	933	936	rVB2	58057	87166	4.80%	0.357%
55	12.842	939	941	944	rVV	1019937	1354895	74.64%	5.546%
56	12.922	945	948	952	rBV3	61972	128957	7.10%	0.528%
57	13.036	954	958	959	rVB	102484	198340	10.93%	0.812%
58	13.094	959	963	965	rBV2	73687	145116	7.99%	0.594%
59	13.139	965	967	968	rBV	84753	107467	5.92%	0.440%
60	13.231	973	975	976	rVB	44732	47829	2.63%	0.196%
61	13.254	976	977	981	rBV2	46489	93579	5.16%	0.383%
62	13.334	981	984	986	rBV	180605	225845	12.44%	0.925%
63	13.379	986	988	989	rVB	109919	94993	5.23%	0.389%
64	13.425	989	992	993	rBV2	52428	77416	4.26%	0.317%
65	13.516	998	1000	1001	rBV	23392	23898	1.32%	0.098%
66	13.539	1001	1002	1004	rBV	55261	73031	4.02%	0.299%
67	13.654	1009	1012	1013	rBV	81738	117327	6.46%	0.480%
68	13.699	1015	1016	1019	rVB2	92790	99109	5.46%	0.406%
69	13.756	1019	1021	1024	rVB2	143607	198426	10.93%	0.812%
70	13.814	1024	1026	1029	rVB	16059	27348	1.51%	0.112%
71	13.905	1029	1034	1038	rBV2	785647	1621686	89.34%	6.639%

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Instrument : BNA_F
ClientSampleId : BH-14(0-4)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.008	1040	1043	1044	rBV2	52656	79337	4.37%	0.325%
73	14.065	1045	1048	1050	rBV3	76159	102938	5.67%	0.421%
74	14.134	1053	1054	1055	rVV	27527	19725	1.09%	0.081%
75	14.248	1063	1064	1065	rBV	29729	34356	1.89%	0.141%
76	14.294	1065	1068	1069	rVV	62635	97446	5.37%	0.399%
77	14.374	1072	1075	1077	rBV3	48875	112837	6.22%	0.462%
78	14.659	1099	1100	1102	rBV2	34789	40011	2.20%	0.164%
79	14.762	1108	1109	1111	rBV2	34932	53376	2.94%	0.219%
80	14.911	1119	1122	1126	rBV	264597	500490	27.57%	2.049%
81	15.014	1129	1131	1136	rVB	62883	119924	6.61%	0.491%
82	15.185	1144	1146	1149	rBV	115899	142203	7.83%	0.582%
83	15.242	1149	1151	1154	rVV	192457	236970	13.05%	0.970%
84	15.299	1154	1156	1162	rVB	410679	593521	32.70%	2.430%
85	15.700	1189	1191	1193	rBV	37069	62020	3.42%	0.254%
86	16.648	1271	1274	1282	rVB	82044	196886	10.85%	0.806%
87	17.048	1307	1309	1315	rVB	50411	121764	6.71%	0.498%

Sum of corrected areas: 24428096

LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040616\
Data File : BF086119.D
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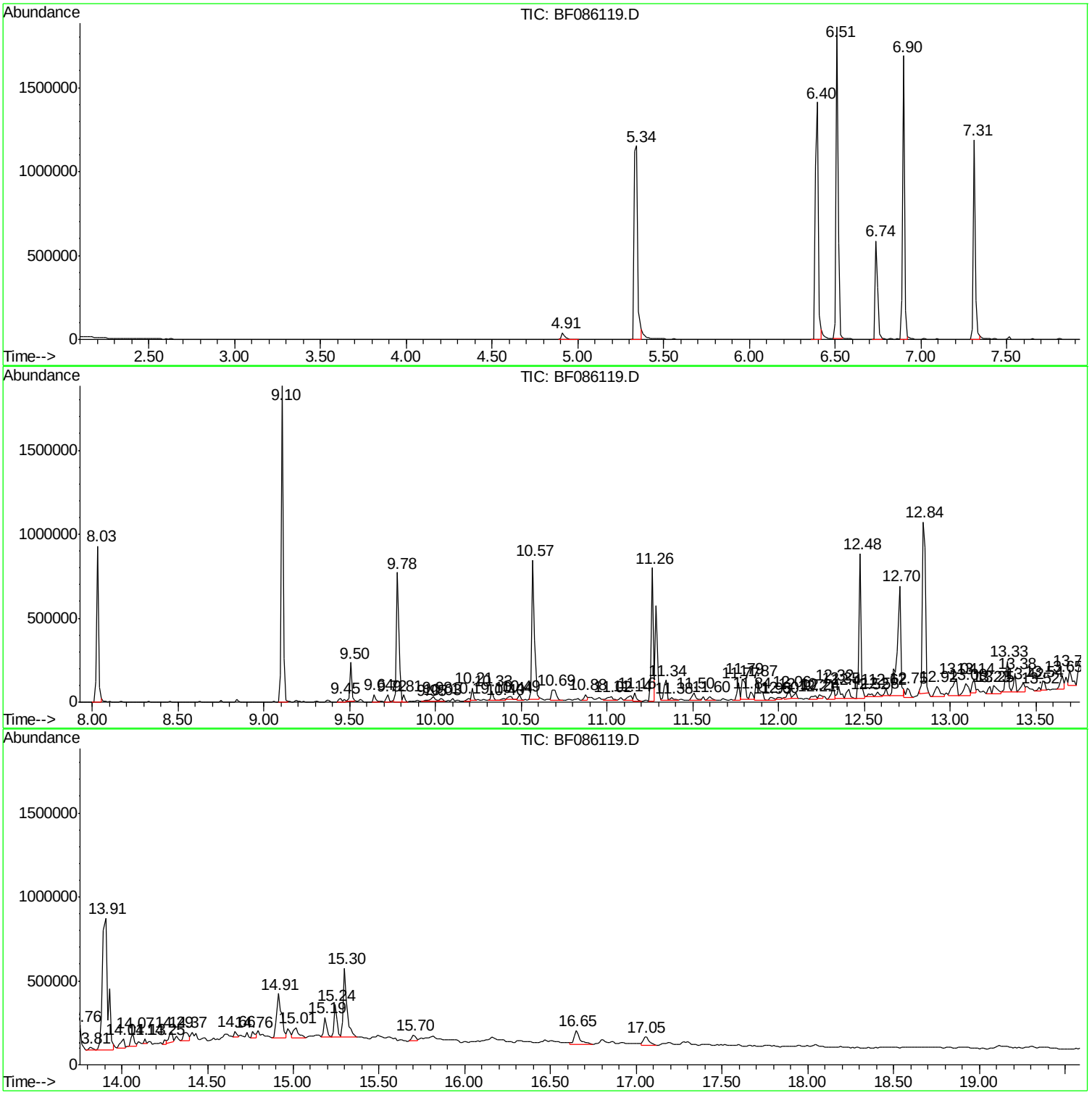
Operator : UM/SJ
Sample : H2055-14
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BH-14(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040616\
Data File : BF086119.D
Acq On : 7 Apr 2016 1:18
Operator : UM/SJ
Sample : H2055-14
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BH-14(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

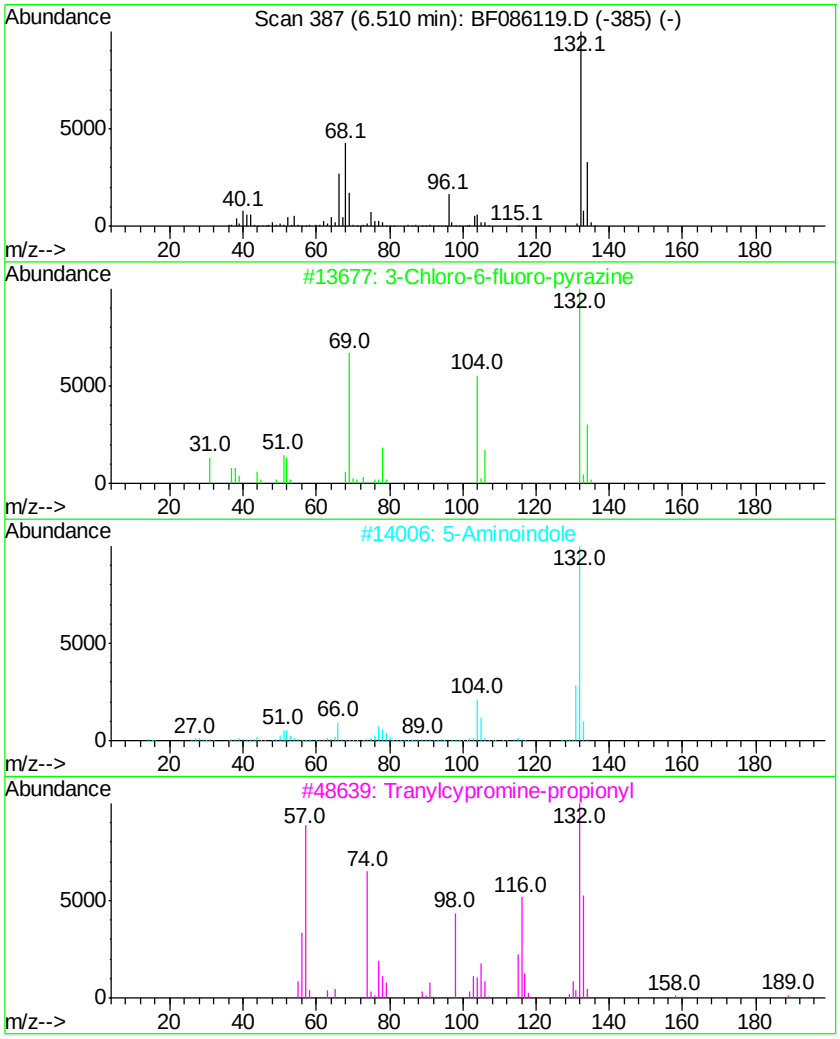
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

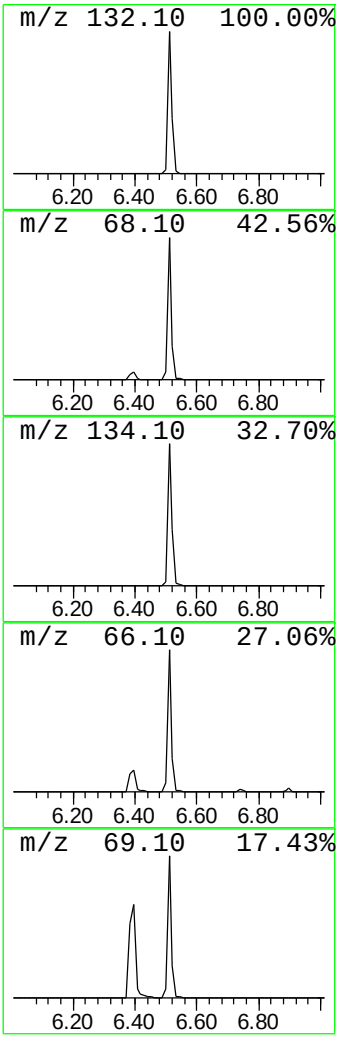
****

Peak Number 1 unknown6.51 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.51	54.51 ng	1744460	1,4-Dichlorobenzene-d4	6.74

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	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





Library Search Compound Report

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ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

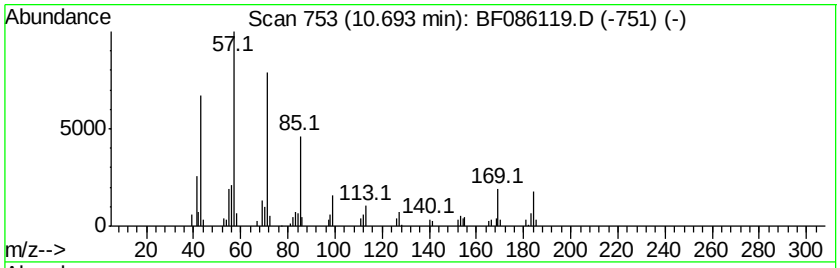
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

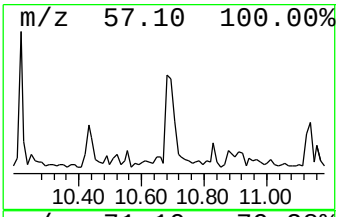
****

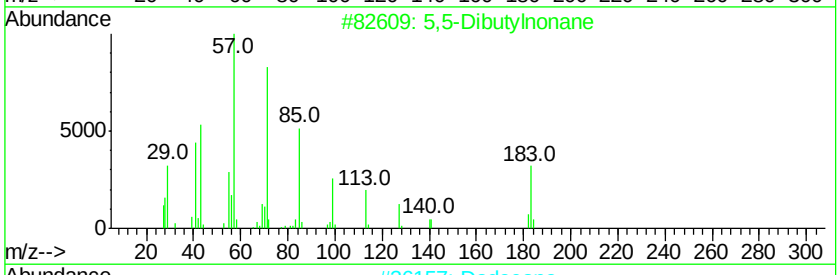
Peak Number 3 5,5-Dibutylnonane Concentration Rank 8

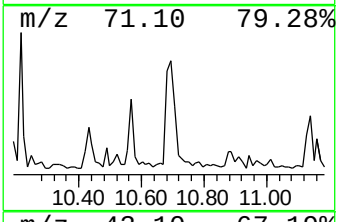
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.69	2.99 ng	106524	Phenanthrene-d10	11.26

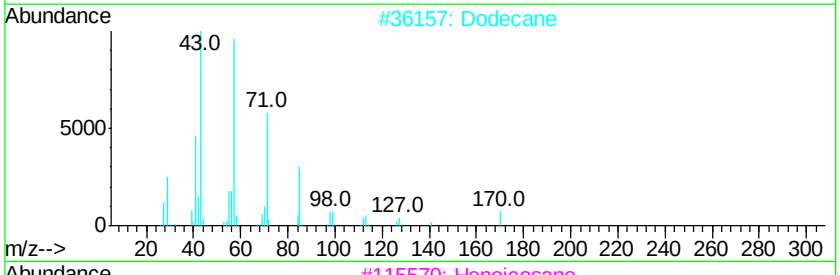
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,5-Dibutylnonane	240	C17H36	006008-17-9	72
2	Dodecane	170	C12H26	000112-40-3	72
3	Heneicosane	296	C21H44	000629-94-7	68
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	68
5	Pentadecane	212	C15H32	000629-62-9	64

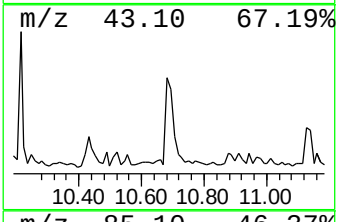


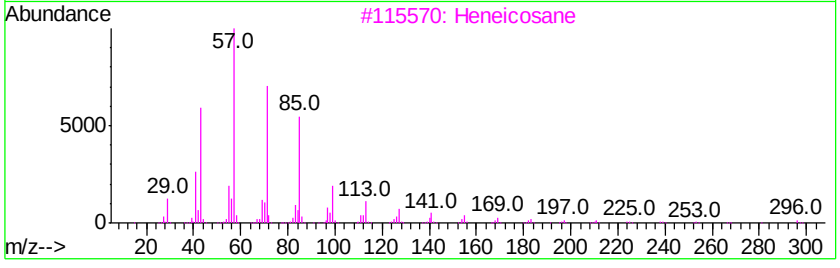


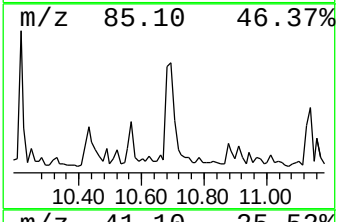


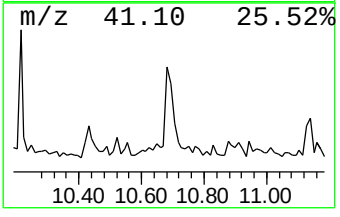












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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

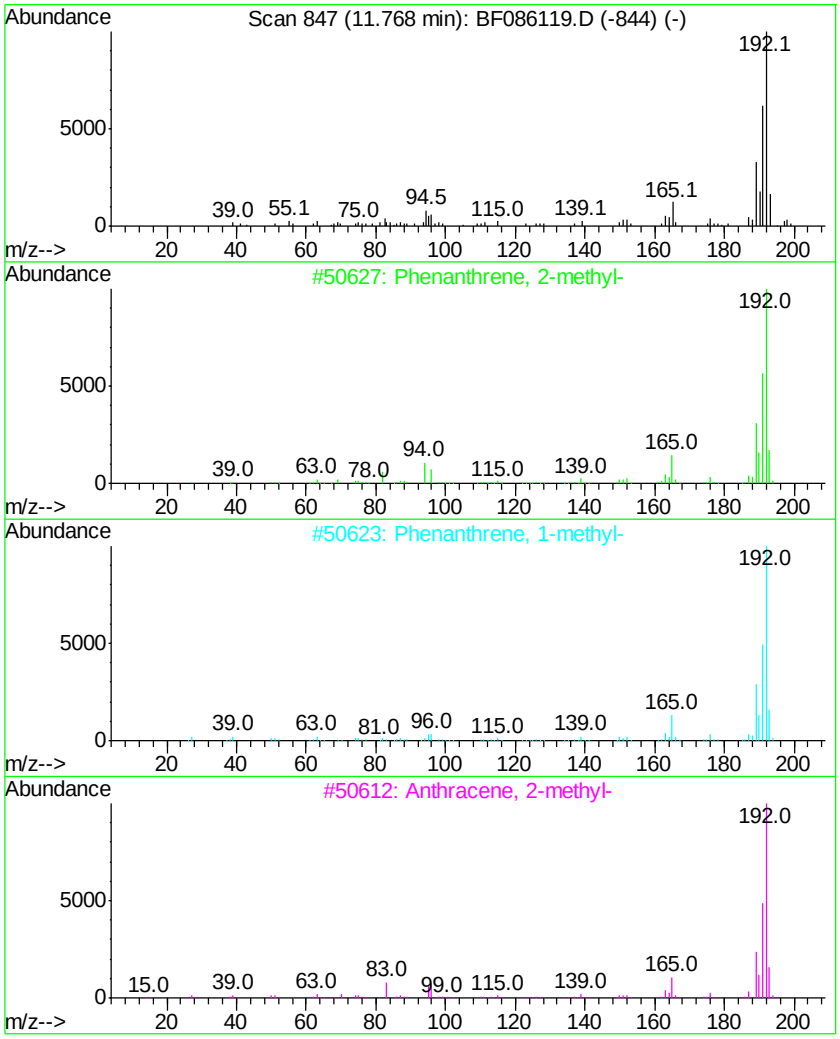
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

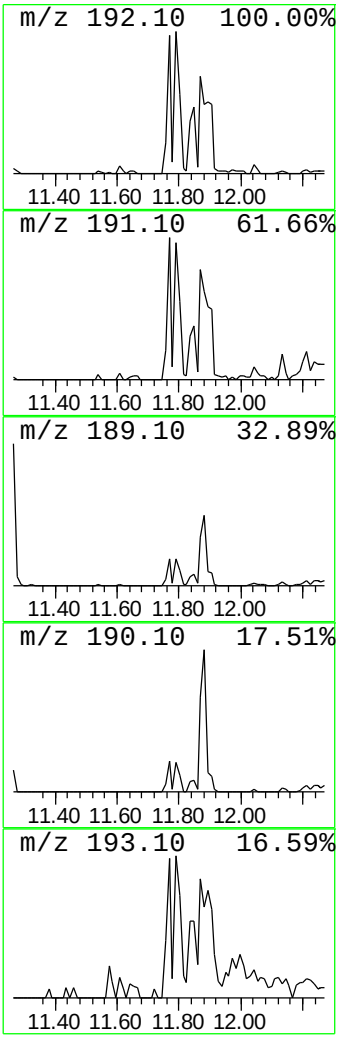
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	3.09 ng	109974	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
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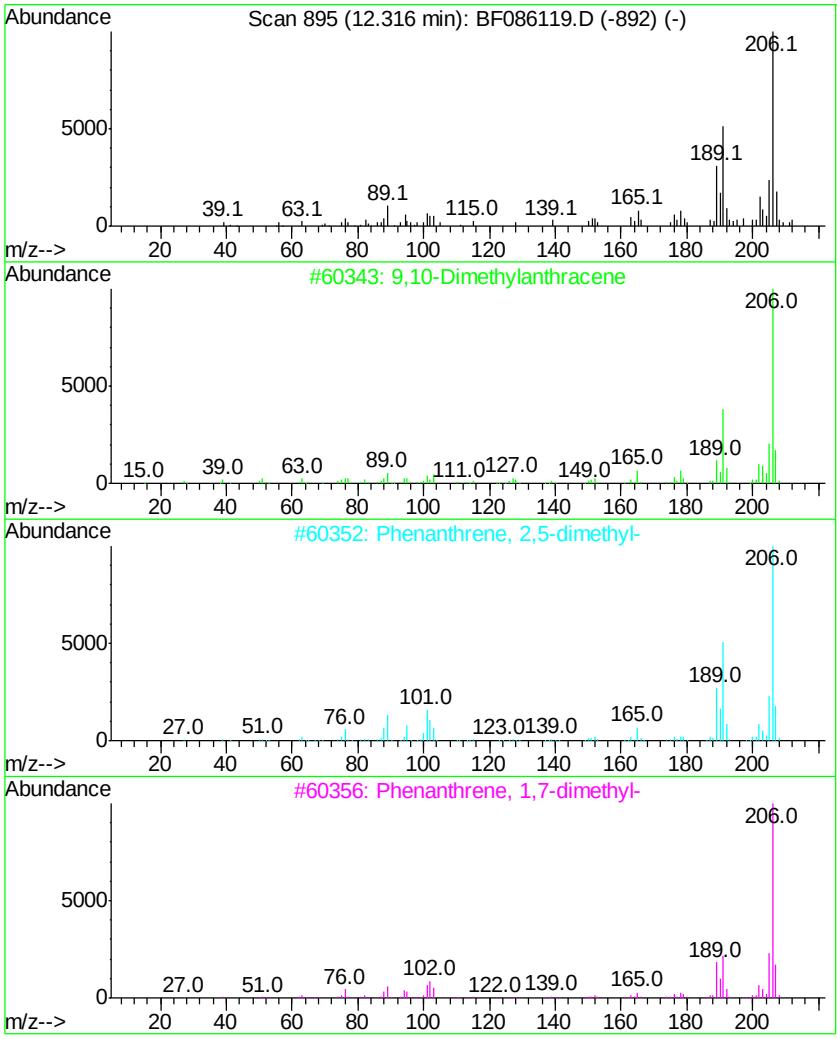
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

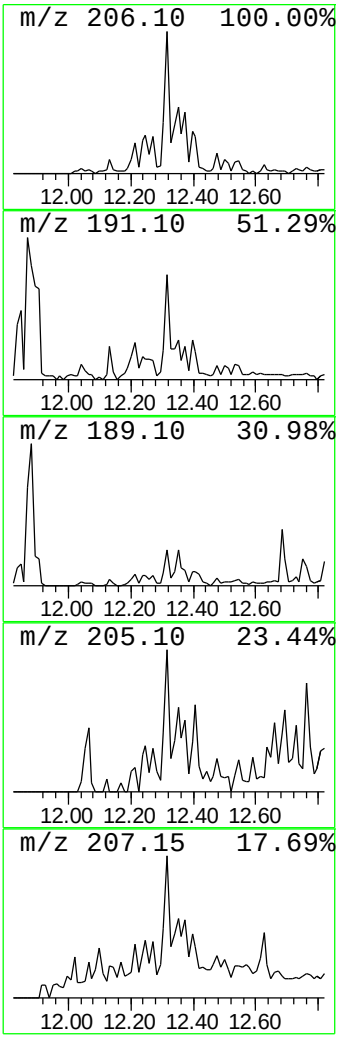
****

Peak Number 7 9,10-Dimethylanthracene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.32	2.87 ng	102257	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	92
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040616\
Data File : BF086119.D
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Operator : UM/SJ
Sample : H2055-14
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BH-14(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

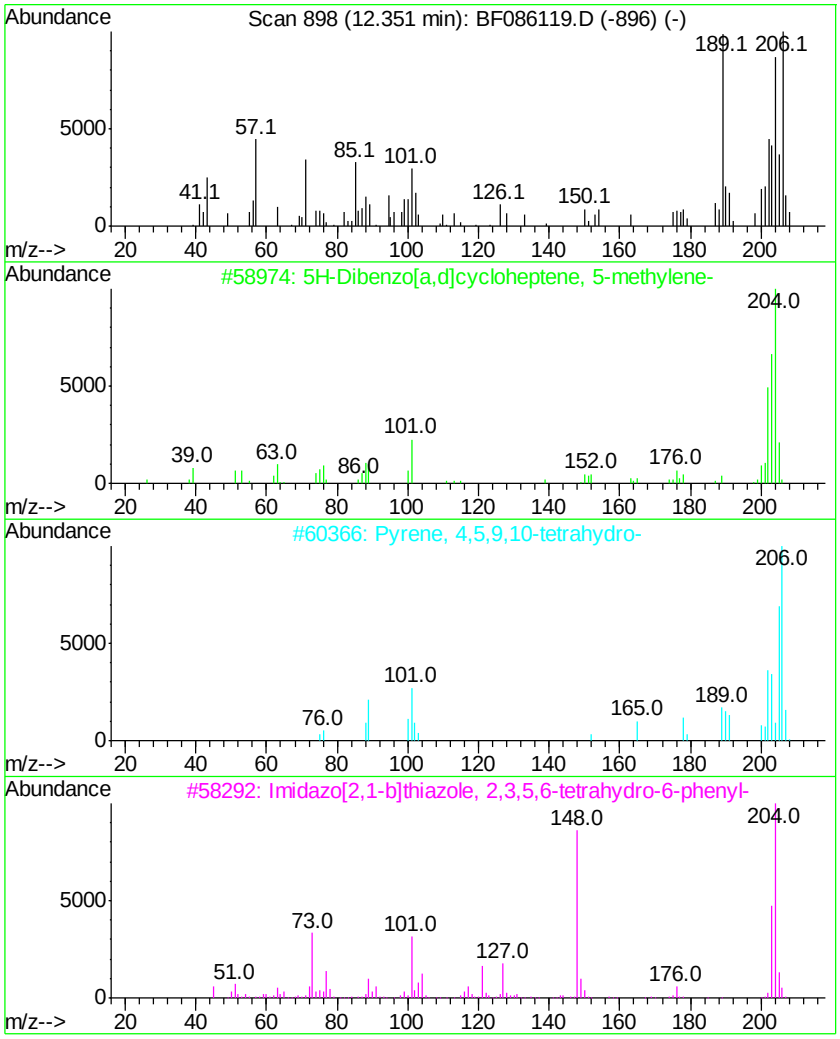
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

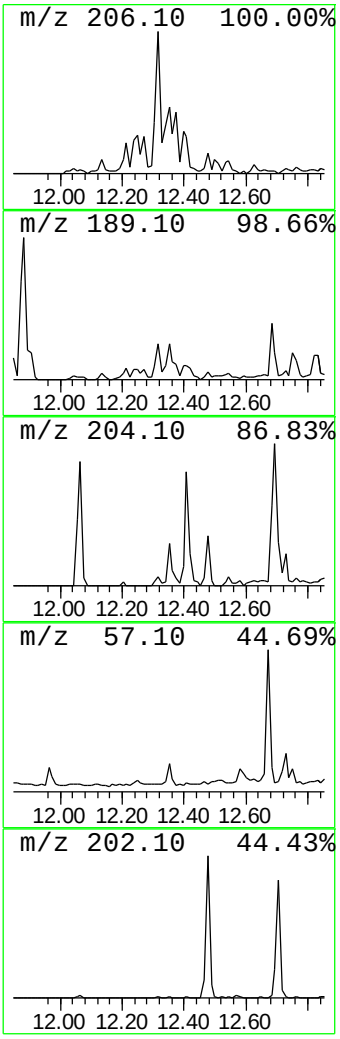
****

Peak Number 8 unknown12.35 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	2.61 ng	92787	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	38
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	35
3	Imidazo[2,1-b]thiazole, 2,3,5,6-...	204	C11H12N2S	006649-23-6	25
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	18
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	18





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Data File : BF086119.D
Acq On : 7 Apr 2016 1:18
Operator : UM/SJ
Sample : H2055-14
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BH-14(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

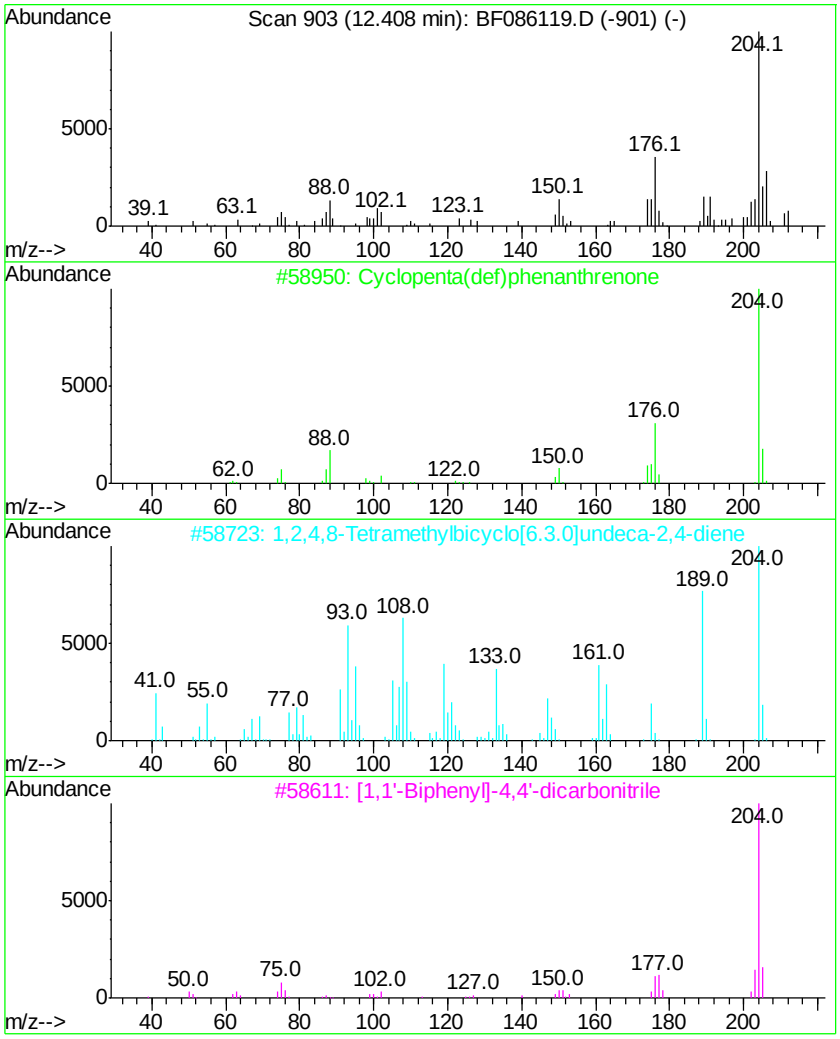
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

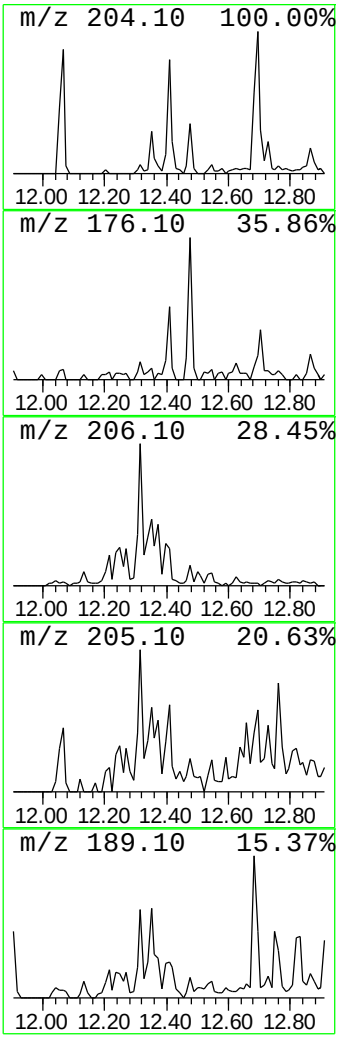
****

Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	2.24 ng	79759	Phenanthrene-d10	11.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	83
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	55
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	49
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	47





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Sample : H2055-14
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BH-14(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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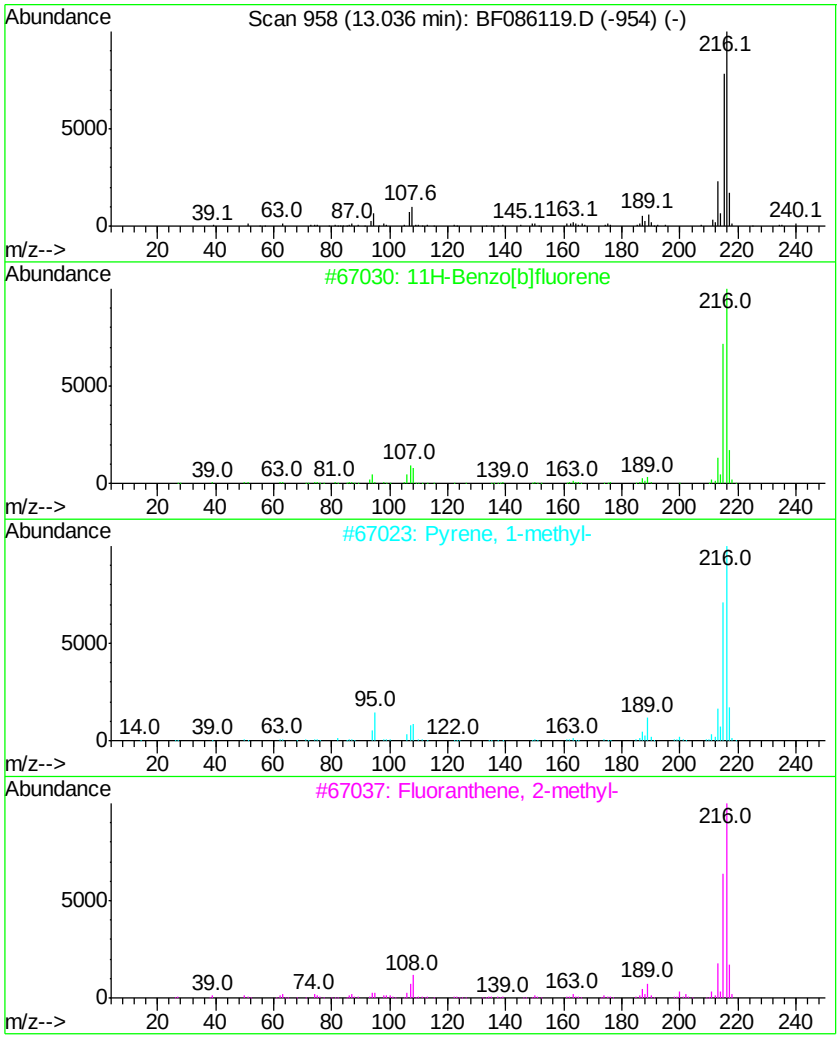
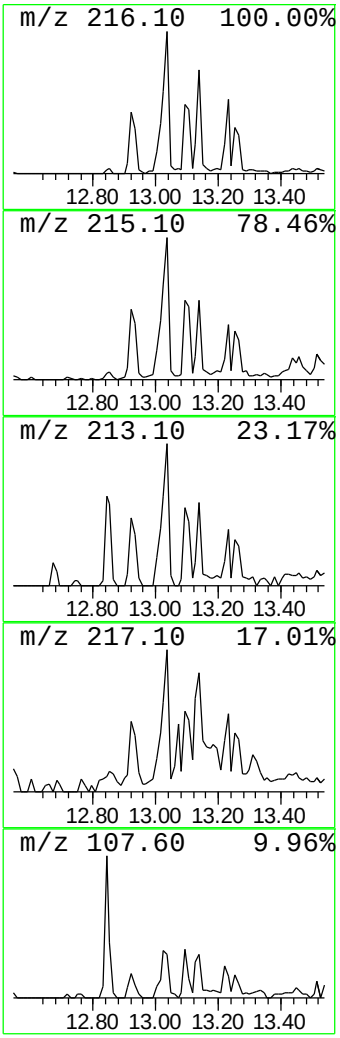
Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	2.45 ng	198340	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	64





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Data File : BF086119.D
Acq On : 7 Apr 2016 1:18
Operator : UM/SJ
Sample : H2055-14
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BH-14(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
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TIC Library : C:\DATABASE\NIST02.L
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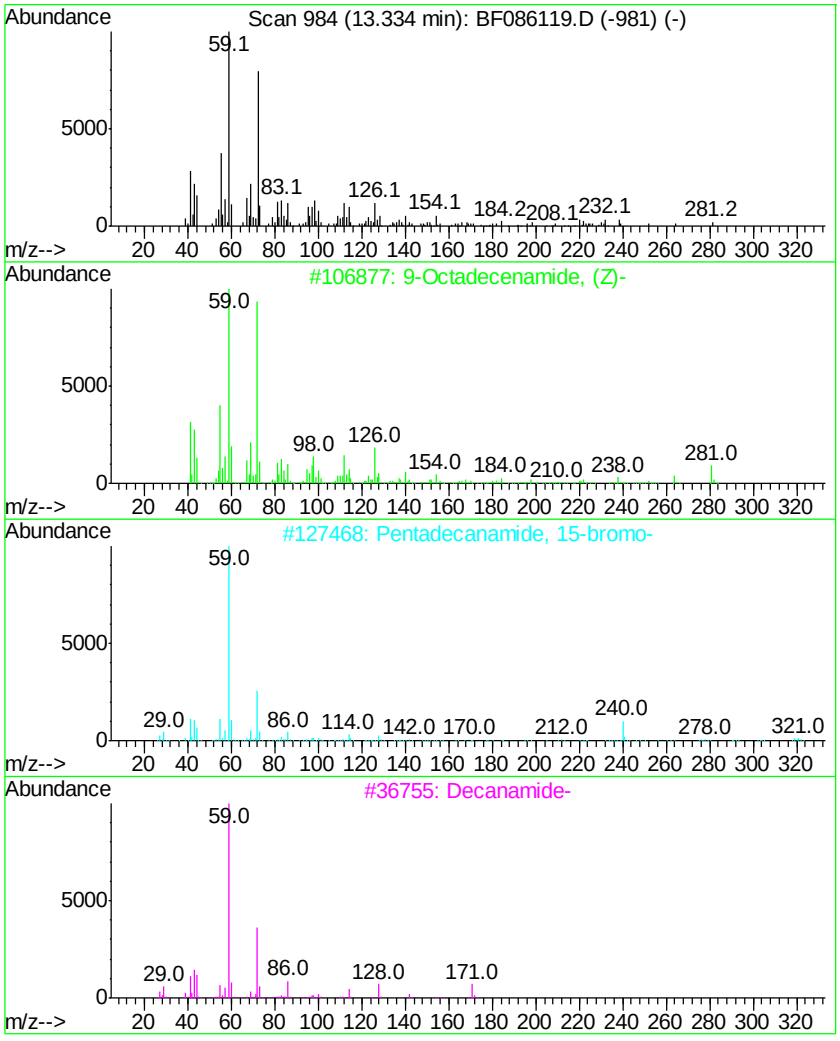
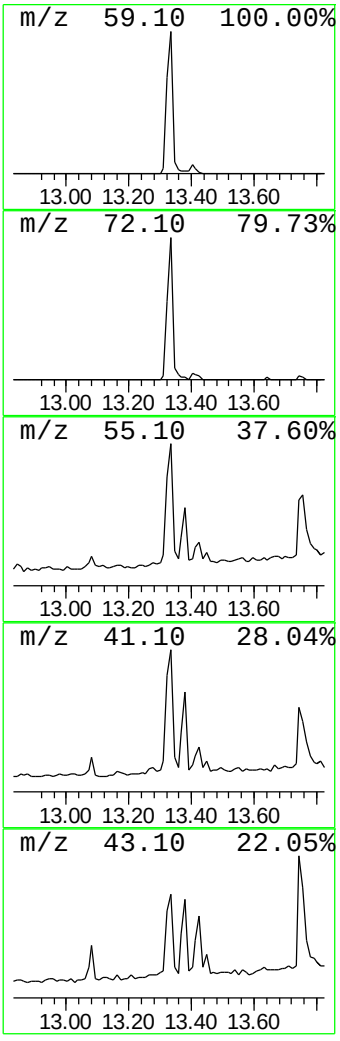
Peak Number 11 9-Octadecenamide, (Z)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.33	2.79 ng	225845	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	62
2	Pentadecanamide, 15-bromo-	319	C15H30BrNO	1000163-86-1	47
3	Decanamide-	171	C10H21NO	002319-29-1	45
4	Heptanamide, 4-ethyl-5-methyl-	171	C10H21NO	054789-40-1	38
5	Tetradecanamide	227	C14H29NO	000638-58-4	38





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Sample : H2055-14
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BH-14(0-4)

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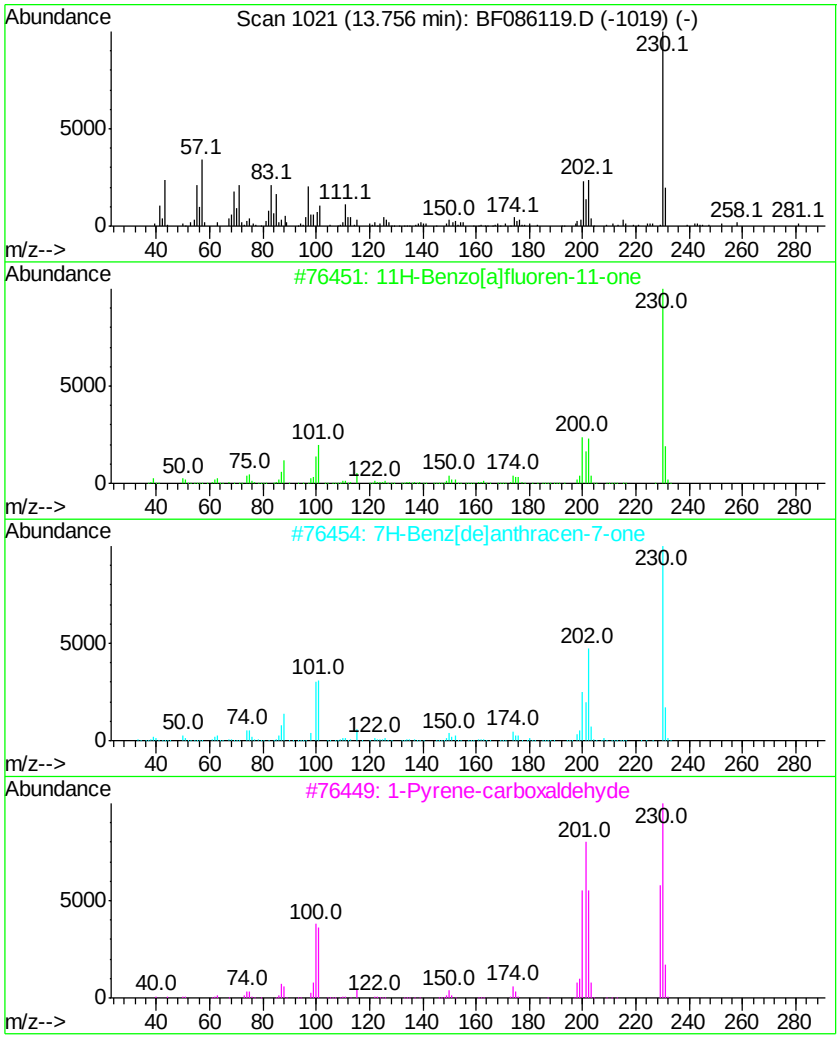
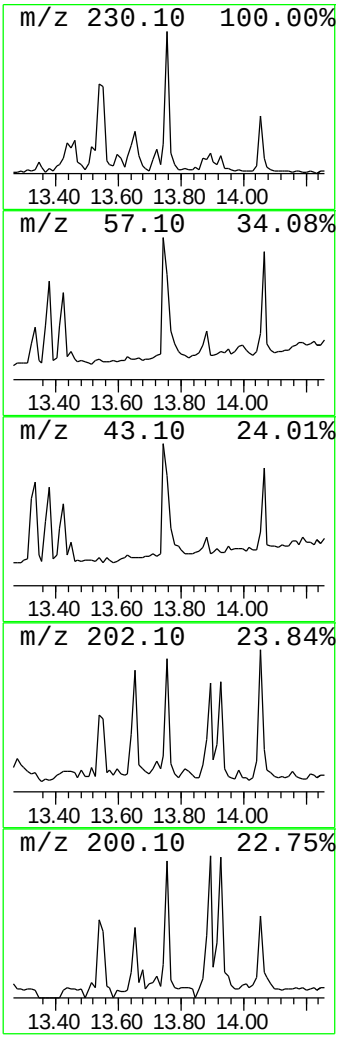
Peak Number 12 11H-Benzo[a]fluoren-11-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	2.45 ng	198426	Chrysene-d12	13.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	58
3	1-Pyrene-carboxaldehyde	230	C17H10O	003029-19-4	50
4	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	39
5	Benzo(b)phenazine	230	C16H10N2	000257-97-6	38





Library Search Compound Report

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Acq On : 7 Apr 2016 1:18
Operator : UM/SJ
Sample : H2055-14
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BH-14(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.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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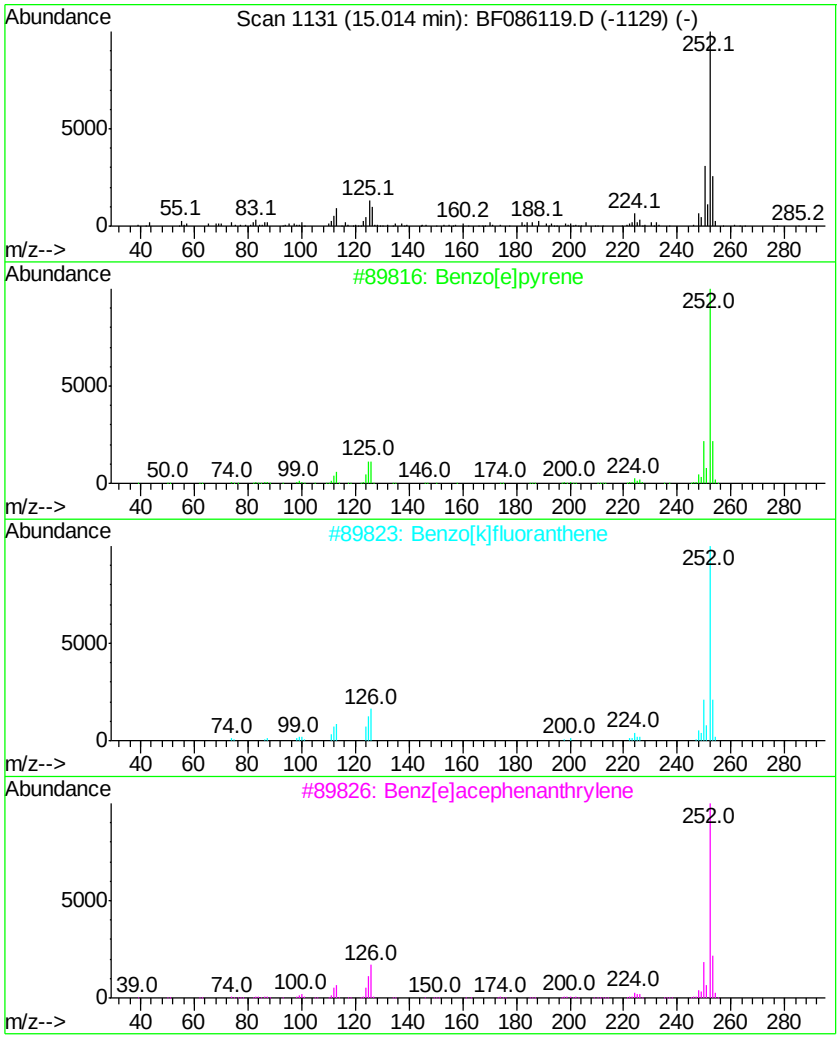
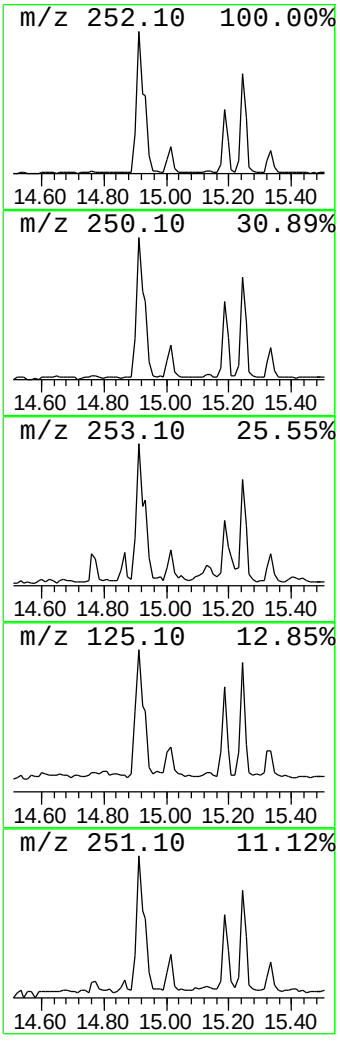
Peak Number 13 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.01	4.04 ng	119924	Perylene-d12	15.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Perylene	252	C20H12	000198-55-0	90





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Sample : H2055-14
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : BH-14(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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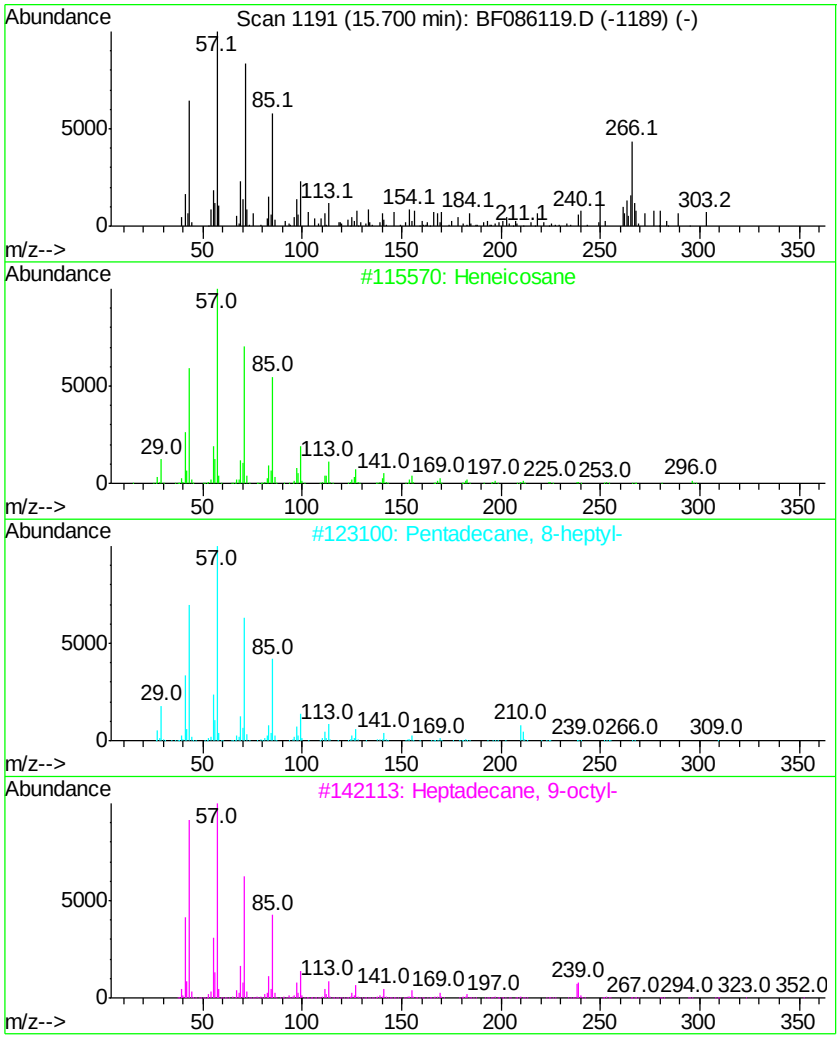
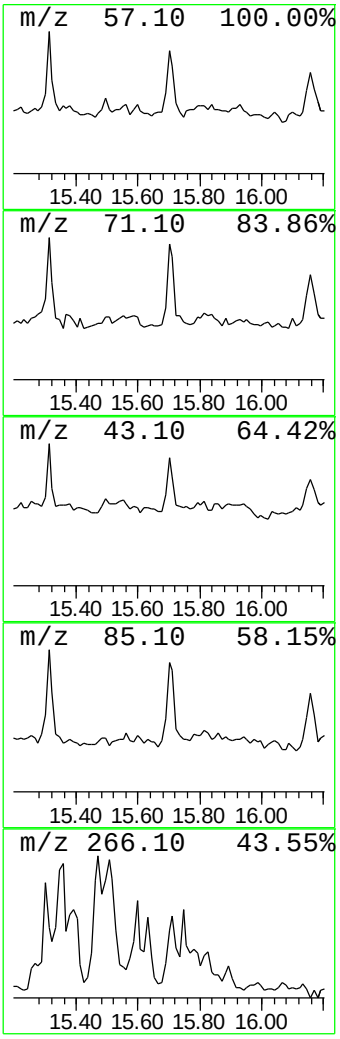
Peak Number 15 unknown15.70 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.70	2.09 ng	62020	Perylene-d12	15.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	49
2	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	49
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	47
4	Heptacosane	380	C27H56	000593-49-7	46
5	Nonadecane	268	C19H40	000629-92-5	43





Tentatively Identified Compound (LSC) summary

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Instrument : BNA_F
ClientSampleId : BH-14(0-4)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.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
unknown6.51	6.51	54.5	ng	1744460	1	6.74	640061	20.0
5,5-Dibutylnonane	10.69	3.0	ng	106524	4	11.26	711502	20.0
Phenanthrene, 2-m...	11.77	3.1	ng	109974	4	11.26	711502	20.0
9,10-Dimethylanth...	12.32	2.9	ng	102257	4	11.26	711502	20.0
unknown12.35	12.35	2.6	ng	92787	4	11.26	711502	20.0
Cyclopenta(def)ph...	12.41	2.2	ng	79759	4	11.26	711502	20.0
11H-Benzo[b]fluorene	13.04	2.5	ng	198340	5	13.90	1621690	20.0
9-Octadecenamide,...	13.33	2.8	ng	225845	5	13.90	1621690	20.0
11H-Benzo[a]fluor...	13.76	2.5	ng	198426	5	13.90	1621690	20.0
Benzo[e]pyrene	15.01	4.0	ng	119924	6	15.30	593521	20.0
unknown15.70	15.70	2.1	ng	62020	6	15.30	593521	20.0