LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102716\
Data File : BF090887.D
Acq On : 28 Oct 2016 00:41
Operator : UM/SJ
Sample : H5423-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2COMP(0-16FEET)

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-BF102616.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	3.035	82	83	91	rBV2	13623	48188	1.24%	0.117%
2	4.944	247	250	259	rBV	493182	798562	20.53%	1.939%
3	5.379	285	288	290	rBV	2759060	3693532	94.98%	8.966%
4	6.419	376	379	382	rBV	2896151	3435094	88.33%	8.339%
5	6.544	387	390	392	rBV	3940401	3888813	100.00%	9.441%
6	6.773	408	410	415	rBV	801538	749090	19.26%	1.819%
7	6.853	415	417	419	rVB	56000	54688	1.41%	0.133%
8	6.933	422	424	426	rBV	3527845	3290502	84.61%	7.988%
9	7.196	444	447	457	rVB	257992	335465	8.63%	0.814%
10	7.345	457	460	462	rBV	2361493	2383684	61.30%	5.787%
11	7.447	468	469	476	rVB	22129	39553	1.02%	0.096%
12	8.065	521	523	528	rBV	923124	1129262	29.04%	2.741%
13	8.773	583	585	589	rVB	40457	40104	1.03%	0.097%
14	9.139	615	617	620	rBV	3821028	3392659	87.24%	8.236%
15	9.539	650	652	654	rBV	1292917	1141064	29.34%	2.770%
16	9.813	674	676	678	rBV	1289917	1076591	27.68%	2.614%
17	9.848	678	679	681	rVB	151887	110777	2.85%	0.269%
18	10.019	692	694	696	rBV	72384	70477	1.81%	0.171%
19	10.133	700	704	705	rBV2	39826	87210	2.24%	0.212%
20	10.259	713	715	717	rVB	32403	41100	1.06%	0.100%
21	10.362	722	724	726	rBV	105454	107429	2.76%	0.261%
22	10.602	742	745	748	rBV	2179988	2096435	53.91%	5.089%
23	10.728	754	756	760	rVB	95266	107421	2.76%	0.261%
24	10.911	769	772	776	rBV4	24655	63189	1.62%	0.153%
25	11.173	791	795	796	rBV2	80137	119088	3.06%	0.289%
26	11.299	803	806	807	rBV	789497	1002490	25.78%	2.434%
27	11.322	807	808	810	rVV	826583	617009	15.87%	1.498%
28	11.368	810	812	814	rVB	142656	158137	4.07%	0.384%
29	11.528	824	826	828	rBV	60837	63841	1.64%	0.155%
30	11.596	830	832	834	rBV2	57902	62512	1.61%	0.152%
31	11.802	847	850	851	rBV	59270	86656	2.23%	0.210%
32	11.825	851	852	854	rVV	98544	88491	2.28%	0.215%
33	11.905	857	859	864	rBV2	111568	172824	4.44%	0.420%
34	12.008	864	868	869	rBV2	45299	86924	2.24%	0.211%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
ClientSampleId : SB-2COMP(0-16FEET)

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-BF102616.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.099	873	876	877	rBV	42733	77449	1.99%	0.188%
36	12.248	887	889	890	rBV	72438	66199	1.70%	0.161%
37	12.328	895	896	900	rBV2	51048	87378	2.25%	0.212%
38	12.511	910	912	914	rVV	719288	716494	18.42%	1.739%
39	12.556	914	916	918	rVB	178913	191367	4.92%	0.465%
40	12.739	928	932	934	rBV	548429	790371	20.32%	1.919%
41	12.785	934	936	940	rVB2	43789	72670	1.87%	0.176%
42	12.854	940	942	943	rBV	57584	71964	1.85%	0.175%
43	12.888	943	945	947	rVV	2243657	2393114	61.54%	5.810%
44	12.956	948	951	953	rVB2	41354	63471	1.63%	0.154%
45	13.014	955	956	959	rVV	261328	394746	10.15%	0.958%
46	13.059	959	960	962	rVB	80715	91068	2.34%	0.221%
47	13.128	965	966	968	rVV	89070	79523	2.04%	0.193%
48	13.162	968	969	973	rVB2	77549	110317	2.84%	0.268%
49	13.254	976	977	979	rBV	36462	47327	1.22%	0.115%
50	13.288	979	980	982	rBV	53408	48579	1.25%	0.118%
51	13.471	993	996	999	rBV3	23532	67918	1.75%	0.165%
52	13.688	1012	1015	1016	rBV	58942	111686	2.87%	0.271%
53	13.791	1022	1024	1027	rVB2	124839	170831	4.39%	0.415%
54	13.928	1033	1036	1041	rBV2	924703	1706840	43.89%	4.144%
55	14.042	1043	1046	1047	rBV2	58085	84494	2.17%	0.205%
56	14.077	1047	1049	1050	rBV2	35549	41492	1.07%	0.101%
57	14.317	1068	1070	1072	rBV	58329	69964	1.80%	0.170%
58	14.419	1077	1079	1082	rBV4	50048	115825	2.98%	0.281%
59	14.945	1122	1125	1130	rBV	359750	693515	17.83%	1.684%
60	15.231	1147	1150	1152	rBV	171117	261184	6.72%	0.634%
61	15.288	1152	1155	1157	rVV	259291	352097	9.05%	0.855%
62	15.345	1157	1160	1165	rVB	759510	1005744	25.86%	2.442%
63	16.694	1275	1278	1283	rVB2	108984	209175	5.38%	0.508%
64	16.865	1290	1293	1295	rBV2	44271	90435	2.33%	0.220%
65	17.105	1311	1314	1319	rVB	79052	178298	4.58%	0.433%
66	17.597	1354	1357	1359	rBV3	35659	92185	2.37%	0.224%

Sum of corrected areas: 41192581

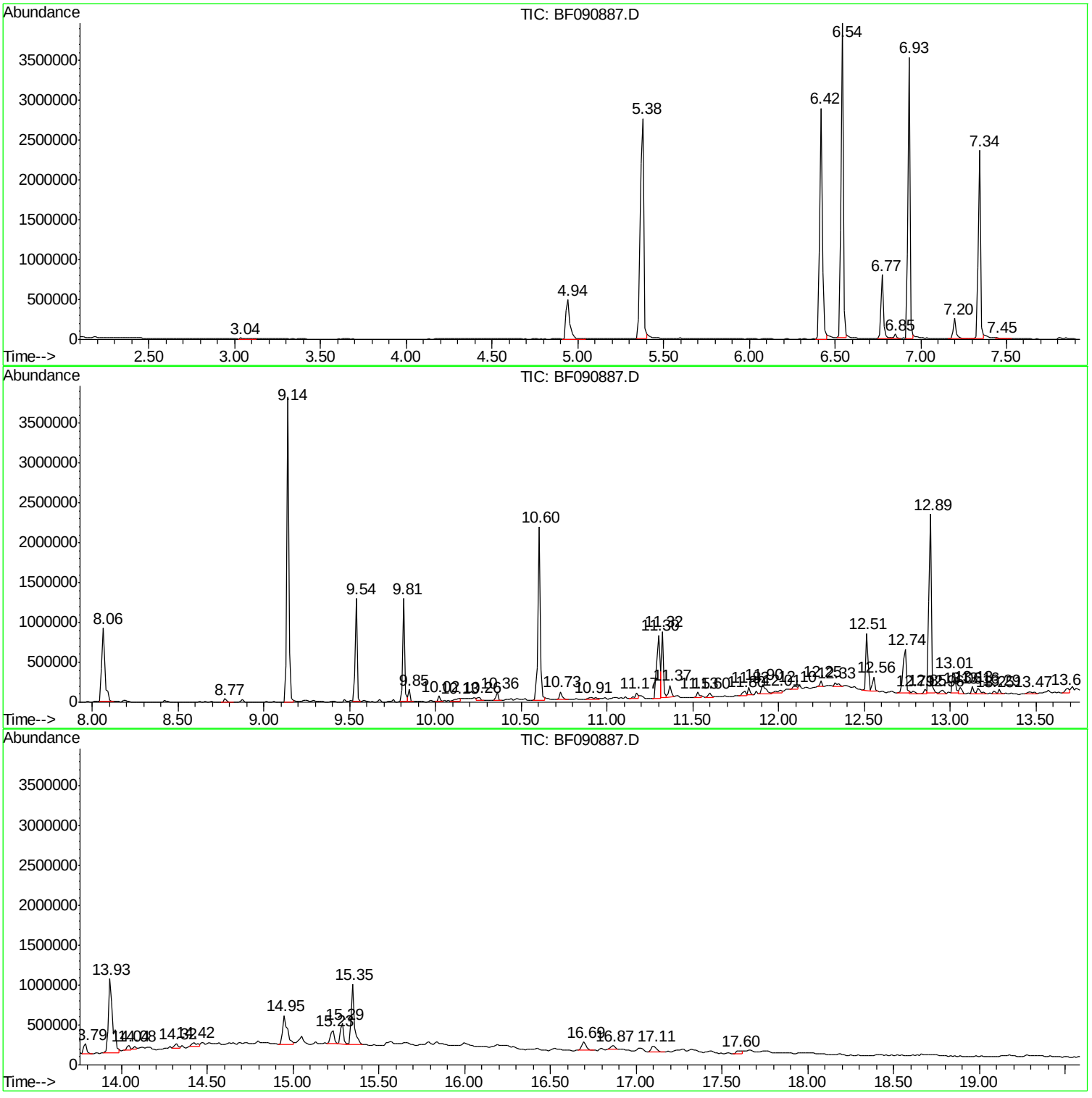
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102716\
Data File : BF090887.D
Acq On : 28 Oct 2016 00:41
Operator : UM/SJ
Sample : H5423-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-2COMP(0-16FEET)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.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\BF102716\
Data File : BF090887.D
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Operator : UM/SJ
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Instrument : BNA_F
ClientSampleId : SB-2COMP(0-16FEET)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
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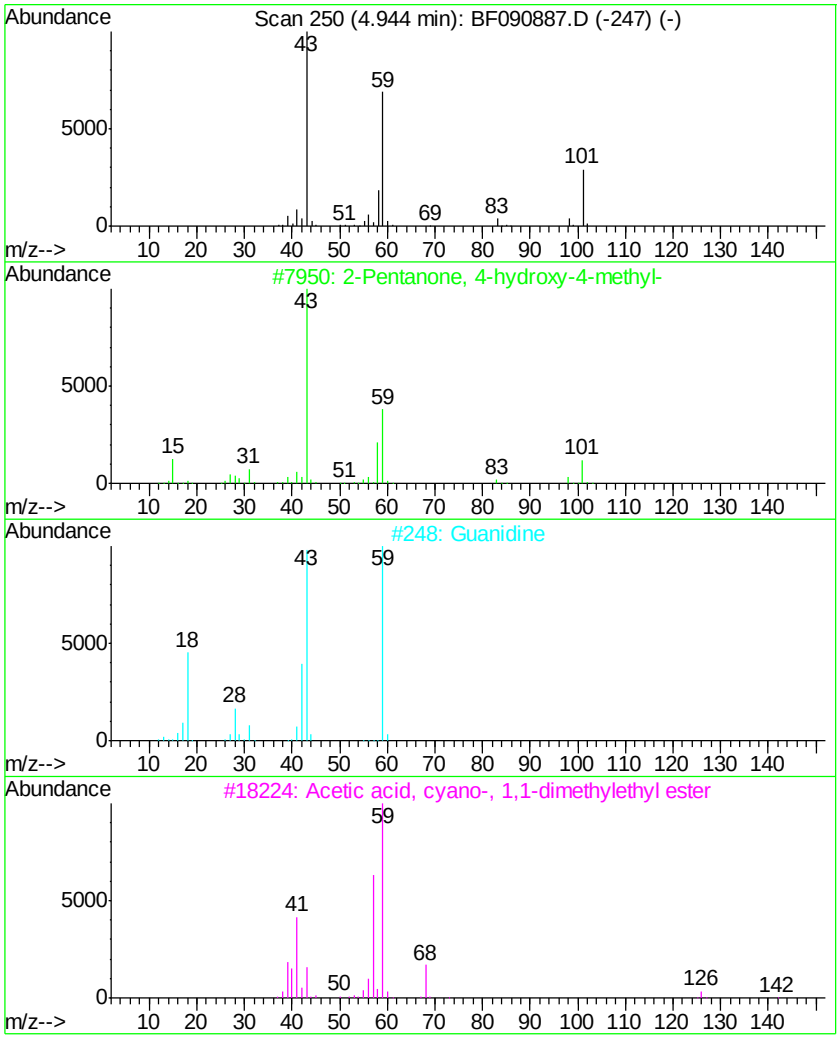
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

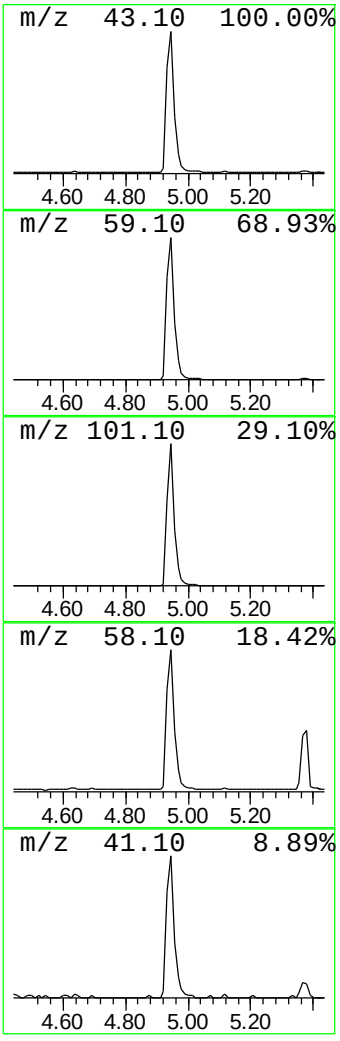
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.94	21.32 ng	798562	1,4-Dichlorobenzene-d4	6.77

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	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102716\
Data File : BF090887.D
Acq On : 28 Oct 2016 00:41
Operator : UM/SJ
Sample : H5423-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2COMP(0-16FEET)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

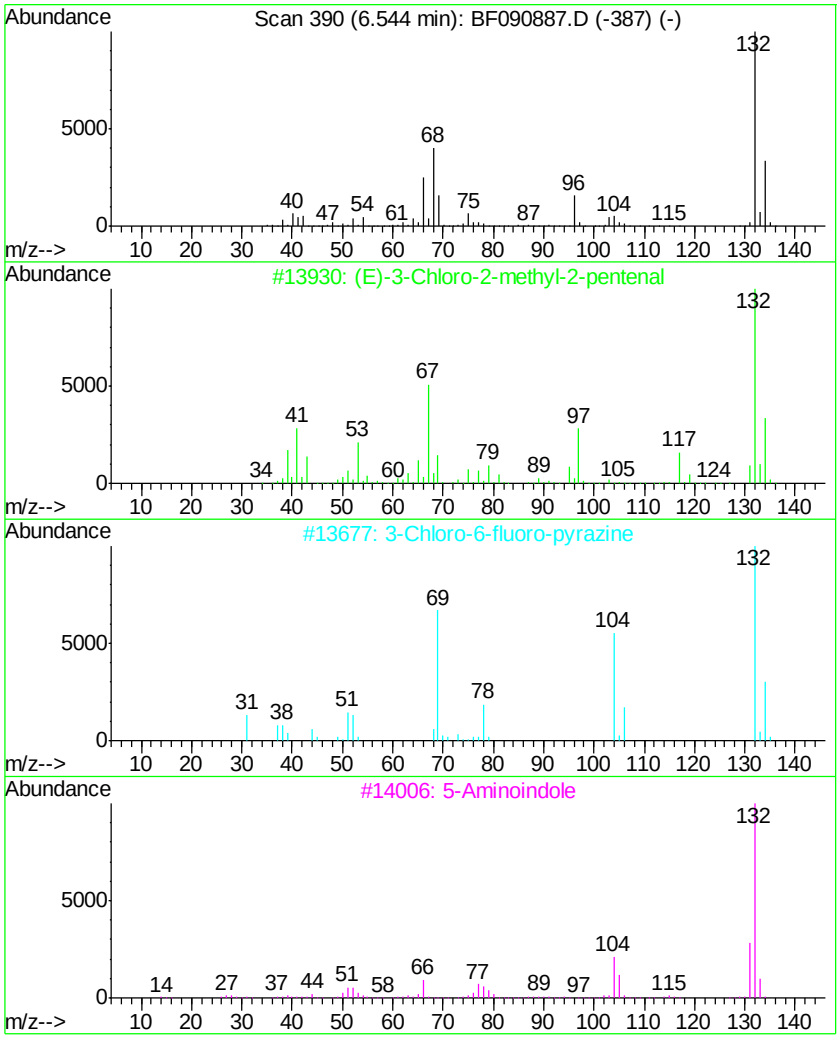
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

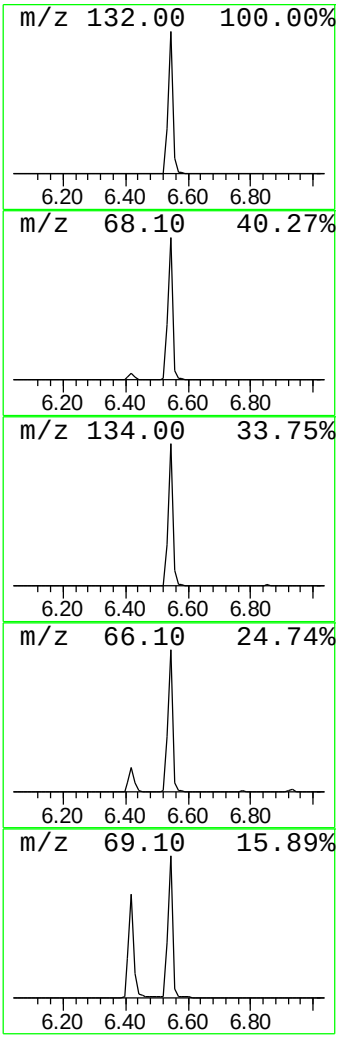
****

Peak Number 2 unknown6.54 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.54	103.83 ng	3888810	1,4-Dichlorobenzene-d4	6.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





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Instrument : BNA_F
ClientSampleId : SB-2COMP(0-16FEET)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
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TIC Library : C:\DATABASE\NIST02.L
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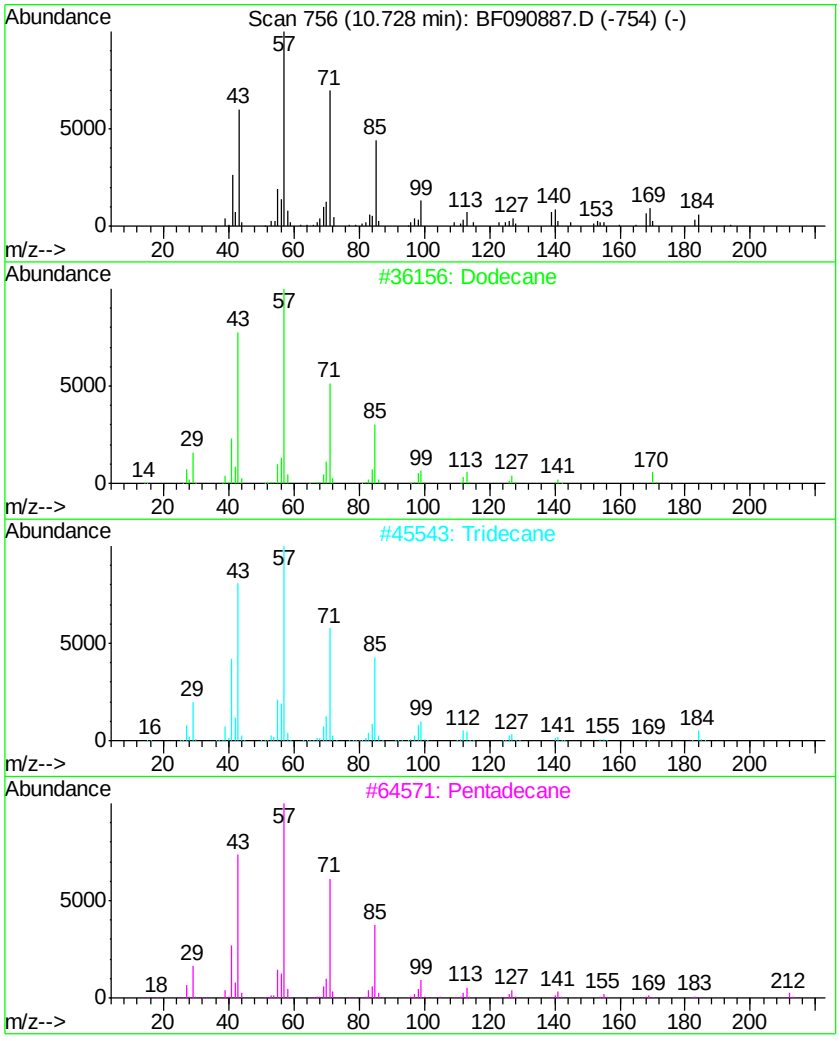
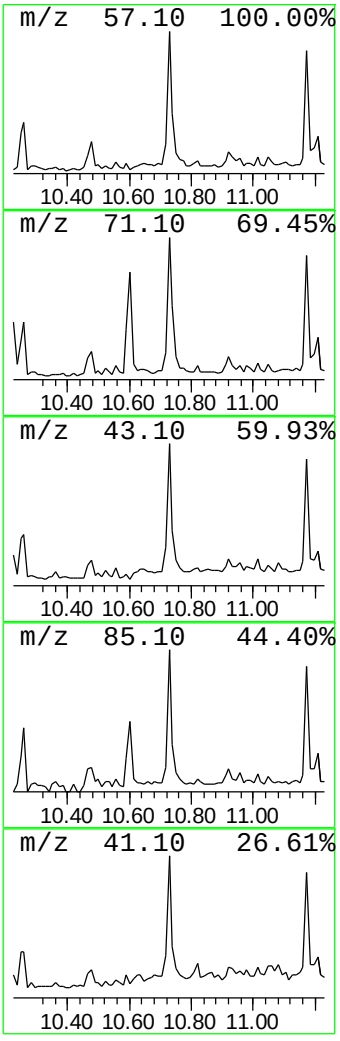
Peak Number 4 Dodecane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.73	2.14 ng	107421	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	76
2	Tridecane	184	C13H28	000629-50-5	74
3	Pentadecane	212	C15H32	000629-62-9	72
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	64
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102716\
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Acq On : 28 Oct 2016 00:41
Operator : UM/SJ
Sample : H5423-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2COMP(0-16FEET)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
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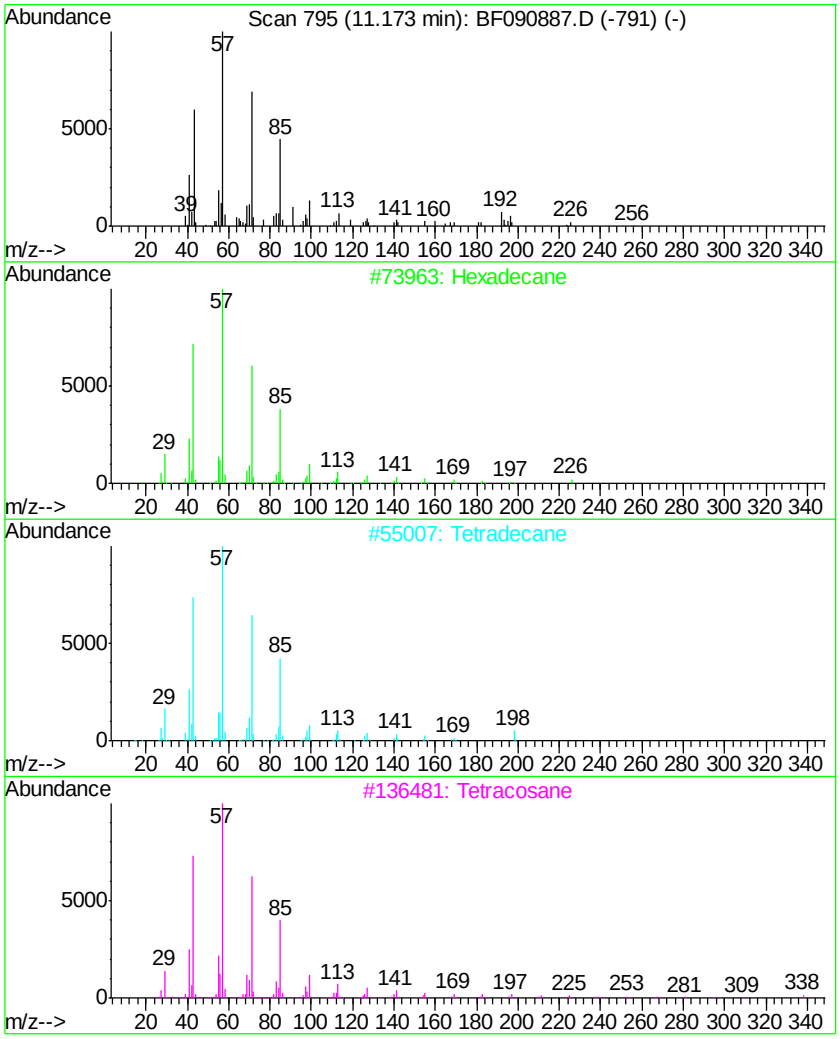
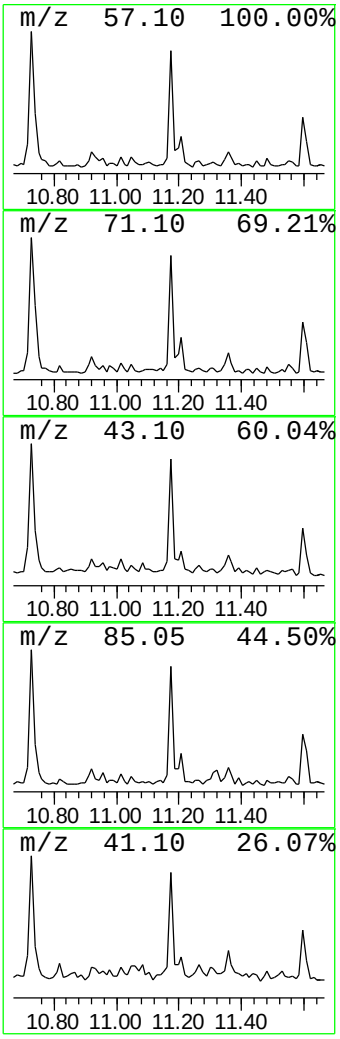
Peak Number 5 Hexadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.17	2.38 ng	119088	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	97
2	Tetradecane	198	C14H30	000629-59-4	87
3	Tetracosane	338	C24H50	000646-31-1	87
4	Eicosane	282	C20H42	000112-95-8	87
5	Pentadecane	212	C15H32	000629-62-9	87





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Sample : H5423-03
Misc :
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Instrument : BNA_F
ClientSampleId : SB-2COMP(0-16FEET)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.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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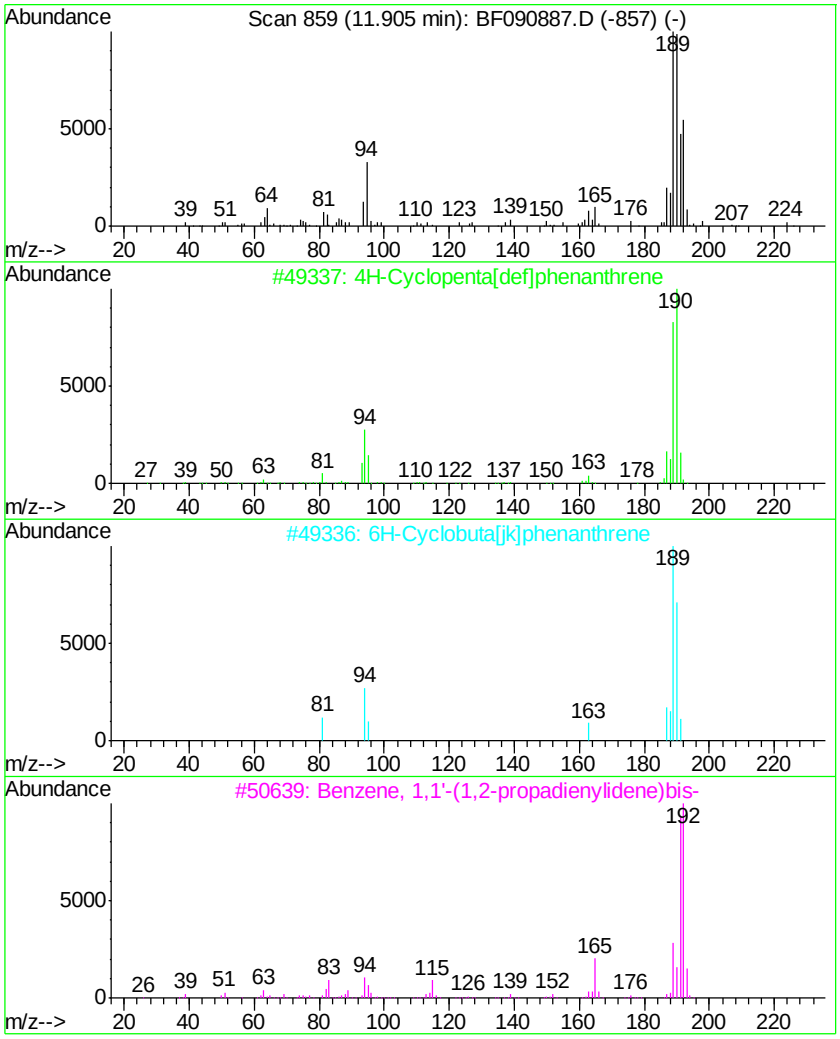
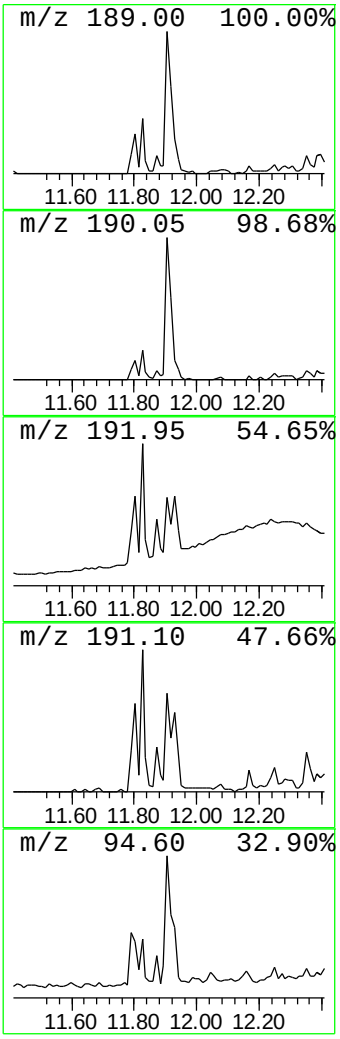
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	3.45 ng	172824	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	18
4	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	14
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	11





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Data File : BF090887.D
Acq On : 28 Oct 2016 00:41
Operator : UM/SJ
Sample : H5423-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2COMP(0-16FEET)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.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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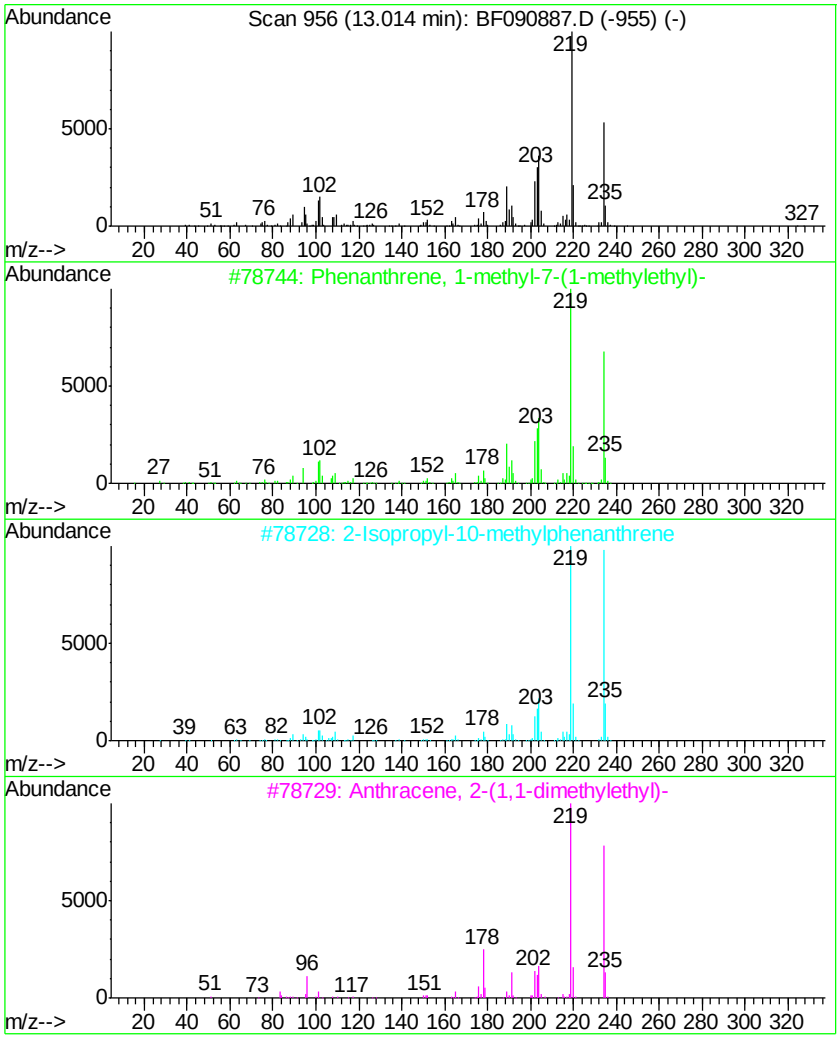
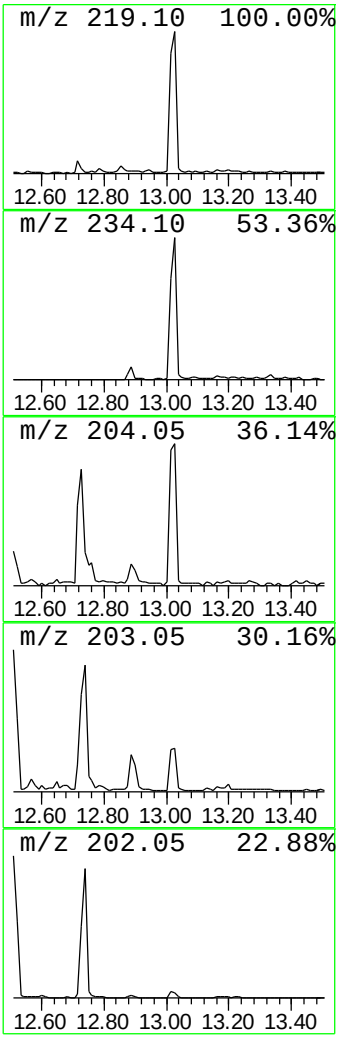
Peak Number 7 Phenanthrene, 1-methyl-7-(1... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.01	4.63 ng	394746	Chrysene-d12	13.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-7-(1-meth...	234	C18H18	000483-65-8	99
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	91
3	Anthracene, 2-(1,1-dimethylethyl)-	234	C18H18	018801-00-8	83
4	1-(10-Methylanthracen-9-yl)ethanone	234	C17H14O	036778-18-4	58
5	2,3,5,6-Detetrahydrocyclohexanon...	234	C15H22O2	101100-38-3	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102716\
Data File : BF090887.D
Acq On : 28 Oct 2016 00:41
Operator : UM/SJ
Sample : H5423-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2COMP(0-16FEET)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.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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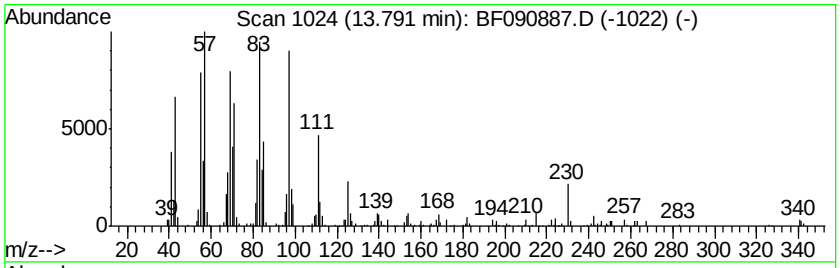
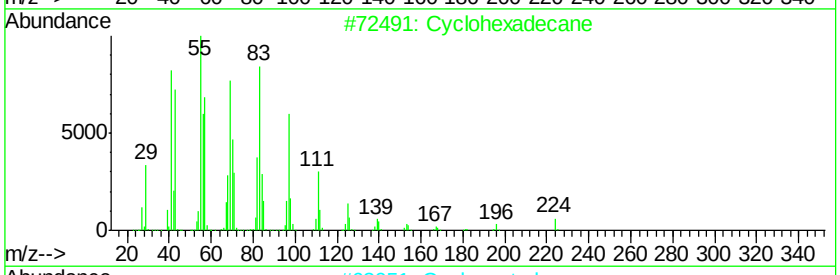
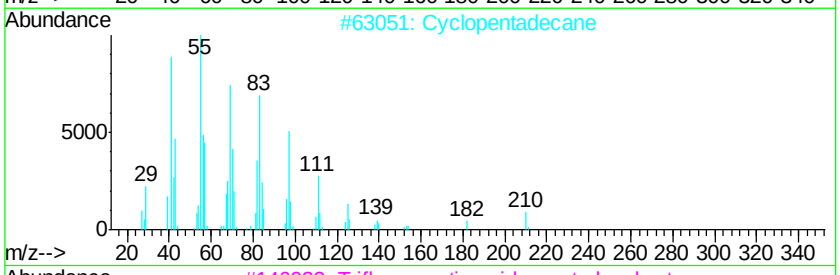
Peak Number 8 Cyclohexadecane Concentration Rank 9

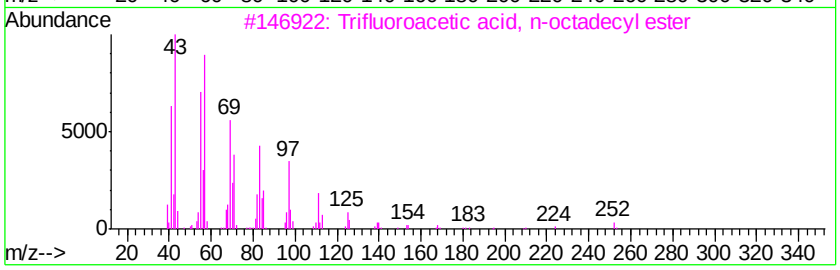
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	2.00 ng	170831	Chrysene-d12	13.94

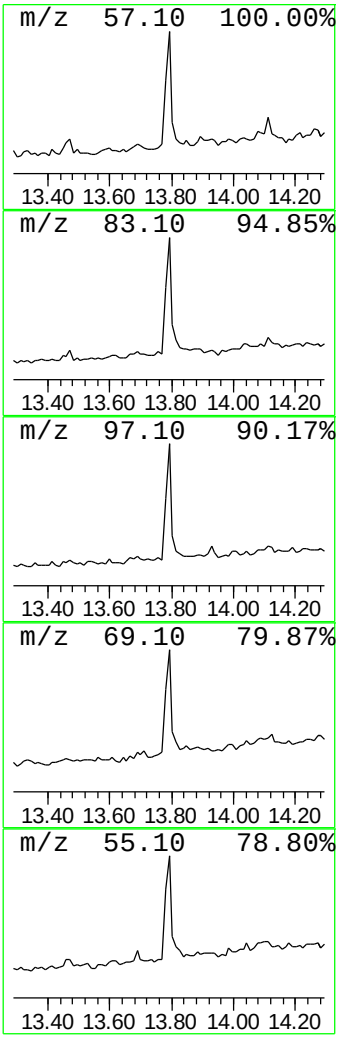
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	98
2	Cyclopentadecane	210	C15H30	000295-48-7	94
3	Trifluoroacetic acid, n-octadecy...	366	C20H37F3O2	079392-43-1	91
4	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	91
5	17-Pentatriacontene	491	C35H70	006971-40-0	91











Data Path : Z:\HPCHEM1\BNA F\DATA\BF102716\
Data File : BF090887.D
Acq On : 28 Oct 2016 00:41
Operator : UM/SJ
Sample : H5423-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2COMP(0-16FEET)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

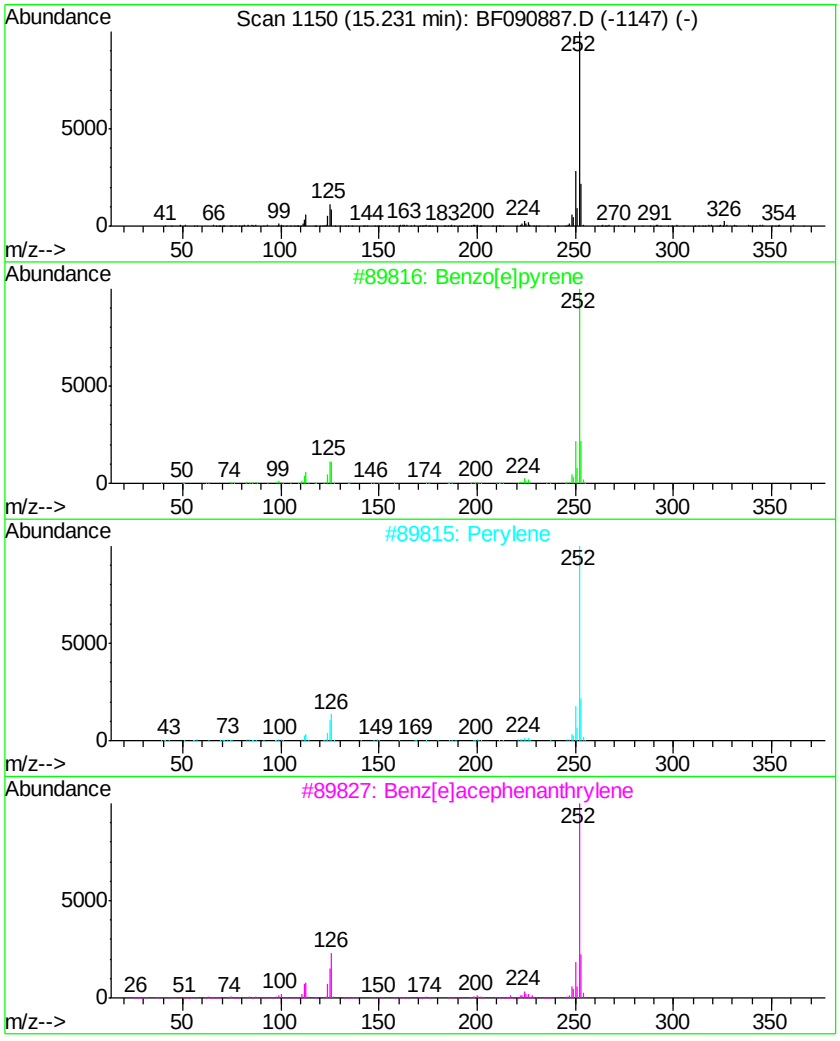
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

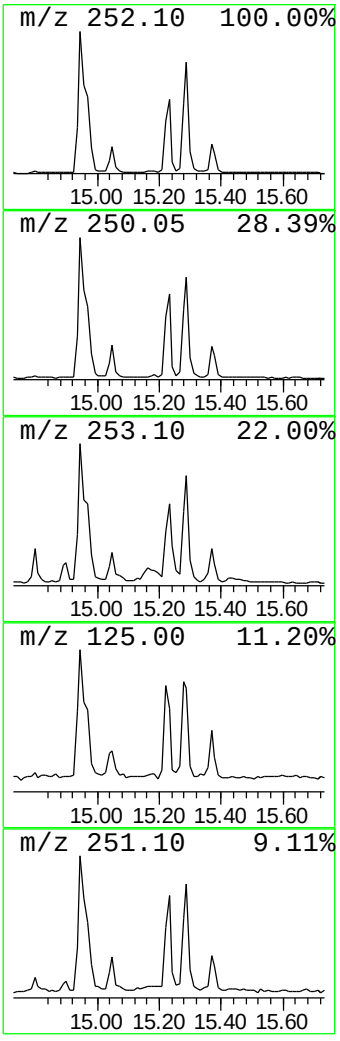
****

Peak Number 9 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.23	5.19 ng	261184	Perylene-d12	15.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Perylene	252	C20H12	000198-55-0	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102716\
Data File : BF090887.D
Acq On : 28 Oct 2016 00:41
Operator : UM/SJ
Sample : H5423-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-2COMP(0-16FEET)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.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...	4.94	21.3	ng	798562	1	6.77	749090	20.0
unknown6.54	6.54	103.8	ng	3888810	1	6.77	749090	20.0
Dodecane	10.73	2.1	ng	107421	4	11.30	1002490	20.0
Hexadecane	11.17	2.4	ng	119088	4	11.30	1002490	20.0
4H-Cyclopenta[def...	11.91	3.5	ng	172824	4	11.30	1002490	20.0
Phenanthrene, 1-m...	13.01	4.6	ng	394746	5	13.94	1706840	20.0
Cyclohexadecane	13.79	2.0	ng	170831	5	13.94	1706840	20.0
Benzo[e]pyrene	15.23	5.2	ng	261184	6	15.35	1005740	20.0