LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102516\
Data File : BF090824.D
Acq On : 25 Oct 2016 22:55
Operator : UM/SJ
Sample : H5394-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SIDEWELL-EAST

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-BF102116.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	4.967	250	252	259	rBV	564379	793393	17.43%	1.774%
2	5.401	287	290	292	rBV	2349293	3401999	74.72%	7.605%
3	6.442	378	381	383	rBV	3040360	3757097	82.52%	8.399%
4	6.567	389	392	394	rBV	3579487	3748116	82.32%	8.379%
5	6.796	410	412	423	rBV	996985	1005006	22.07%	2.247%
6	6.956	423	426	428	rBV	2892733	3011446	66.14%	6.732%
7	7.367	459	462	464	rBV	1981961	2379245	52.26%	5.319%
8	7.470	469	471	478	rVB	59029	112658	2.47%	0.252%
9	8.087	522	525	527	rBV	1317751	1420203	31.19%	3.175%
10	9.162	616	619	622	rBV	4430877	4552924	100.00%	10.178%
11	9.562	651	654	656	rBV	1157805	1042297	22.89%	2.330%
12	9.836	676	678	680	rBV	1940275	1731336	38.03%	3.870%
13	10.282	712	717	718	rBV	51429	74257	1.63%	0.166%
14	10.625	745	747	750	rBV	2512394	2672495	58.70%	5.974%
15	10.751	756	758	765	rVB	98360	127204	2.79%	0.284%
16	11.196	796	797	798	rBV	58668	48223	1.06%	0.108%
17	11.322	806	808	809	rBV	1748017	1533543	33.68%	3.428%
18	11.402	812	815	822	rVV2	61379	160934	3.53%	0.360%
19	11.562	826	829	833	rBV3	32978	64599	1.42%	0.144%
20	11.859	853	855	857	rVV2	46748	74960	1.65%	0.168%
21	11.939	860	862	866	rVB2	73086	128685	2.83%	0.288%
22	12.454	906	907	912	rVB2	28204	46828	1.03%	0.105%
23	12.534	912	914	916	rBV	796516	752064	16.52%	1.681%
24	12.762	931	934	935	rBV	614657	710842	15.61%	1.589%
25	12.796	935	937	943	rVV	532932	701130	15.40%	1.567%
26	12.911	944	947	950	rVV	3785197	4094865	89.94%	9.154%
27	12.979	950	953	957	rVV3	54751	139249	3.06%	0.311%
28	13.094	959	963	965	rVB	76033	119542	2.63%	0.267%
29	13.162	965	969	970	rBV2	42931	65366	1.44%	0.146%
30	13.197	970	972	974	rBV	54455	63638	1.40%	0.142%
31	13.494	994	998	1003	rBV5	29945	97135	2.13%	0.217%
32	13.597	1003	1007	1011	rBV3	32378	84666	1.86%	0.189%
33	13.711	1014	1017	1018	rBV	46866	67762	1.49%	0.151%
34	13.814	1024	1026	1031	rVB2	254267	296632	6.52%	0.663%

LSC Area Percent Report

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Acq On : 25 Oct 2016 22:55
Operator : UM/SJ
Sample : H5394-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SIDEWELL-EAST

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-BF102116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.962	1036	1039	1046	rBV2	1219112	1730734	38.01%	3.869%
36	14.065	1046	1048	1050	rBV	60264	58012	1.27%	0.130%
37	14.454	1079	1082	1087	rBV3	112665	236977	5.20%	0.530%
38	14.717	1104	1105	1111	rBV4	30842	89807	1.97%	0.201%
39	14.808	1111	1113	1118	rVB	120086	168617	3.70%	0.377%
40	14.980	1125	1128	1133	rBV	247244	507568	11.15%	1.135%
41	15.060	1133	1135	1143	rVB4	94943	222411	4.89%	0.497%
42	15.265	1150	1153	1156	rVB	126404	188698	4.14%	0.422%
43	15.322	1156	1158	1161	rVV	169608	251724	5.53%	0.563%
44	15.380	1161	1163	1173	rVB	810981	1127077	24.76%	2.520%
45	15.608	1181	1183	1187	rVB5	30260	52542	1.15%	0.117%
46	15.825	1200	1202	1205	rBV	61757	97545	2.14%	0.218%
47	15.883	1205	1207	1213	rVB5	37540	99745	2.19%	0.223%
48	16.043	1219	1221	1227	rVB5	20997	59376	1.30%	0.133%
49	16.568	1263	1267	1272	rBV5	38796	112849	2.48%	0.252%
50	16.751	1279	1283	1288	rBV2	82431	182318	4.00%	0.408%
51	16.923	1295	1298	1300	rBV	25245	60658	1.33%	0.136%
52	17.151	1315	1318	1326	rVB	71682	174649	3.84%	0.390%
53	17.300	1327	1331	1335	rBV5	26692	75836	1.67%	0.170%
54	18.248	1411	1414	1421	rVB6	20991	70271	1.54%	0.157%
55	19.231	1496	1500	1509	rVB3	18187	86059	1.89%	0.192%

Sum of corrected areas: 44733812

LSC Report - Integrated Chromatogram

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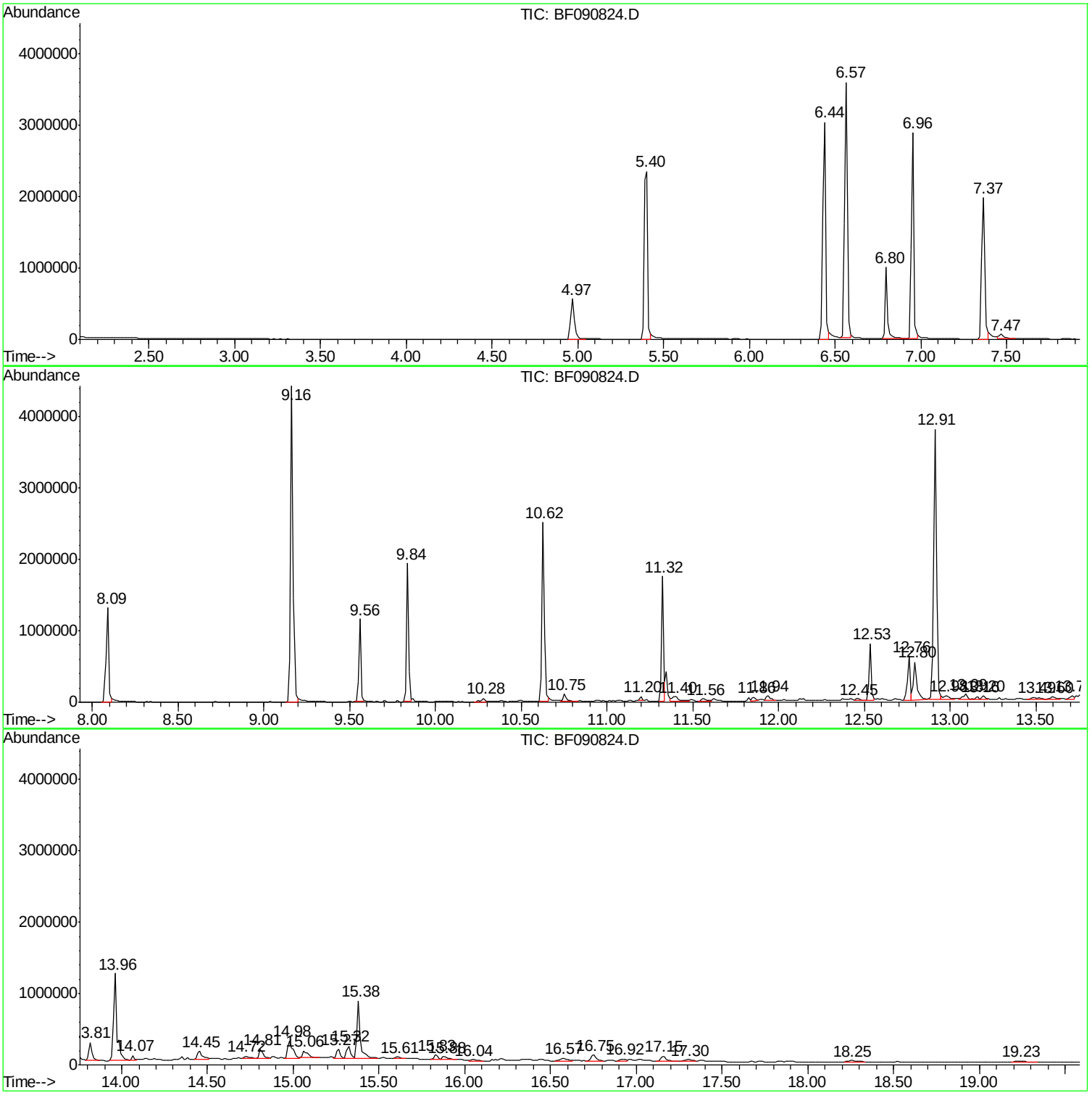
Operator : UM/SJ
Sample : H5394-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SIDEWELL-EAST

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.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\BF102516\
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Instrument : BNA_F
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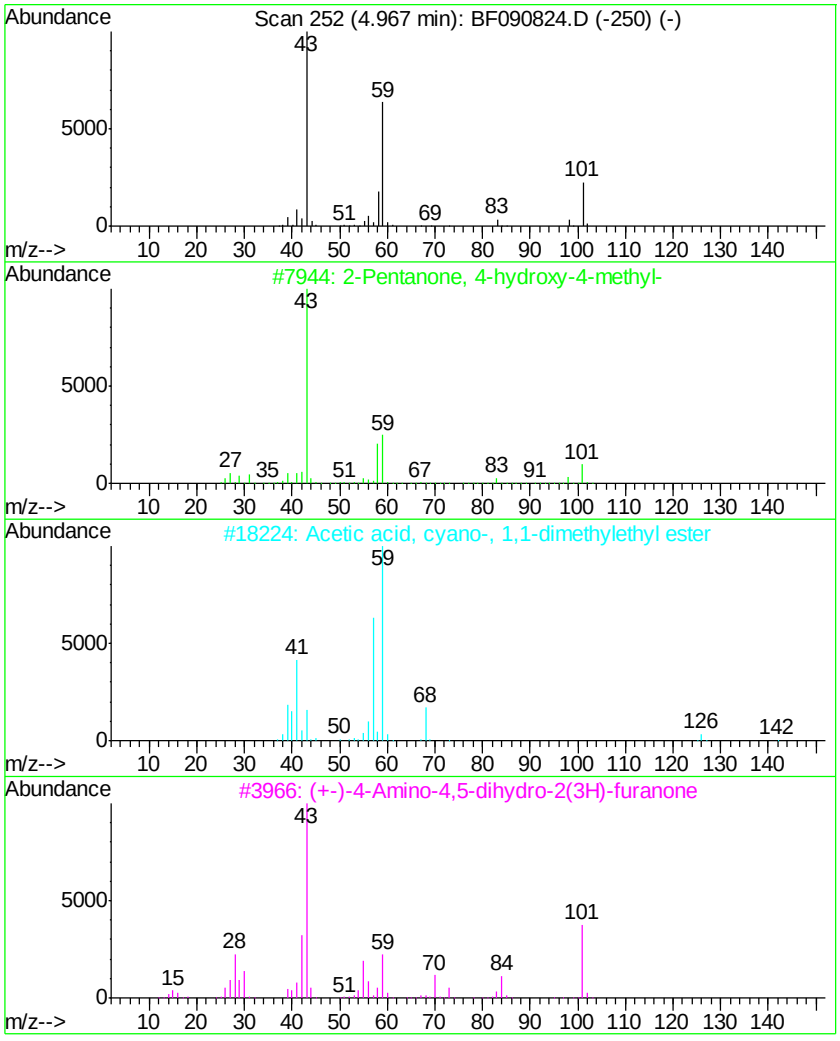
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

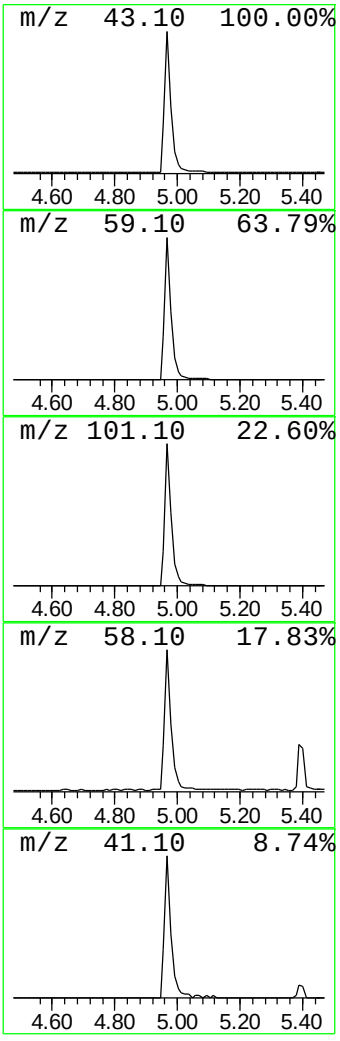
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.97	15.79 ng	793393	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
3	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Guanidine	59	CH5N3	000113-00-8	9





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Sample : H5394-02
Misc :
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Instrument : BNA_F
ClientSampleId : SIDEWELL-EAST

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.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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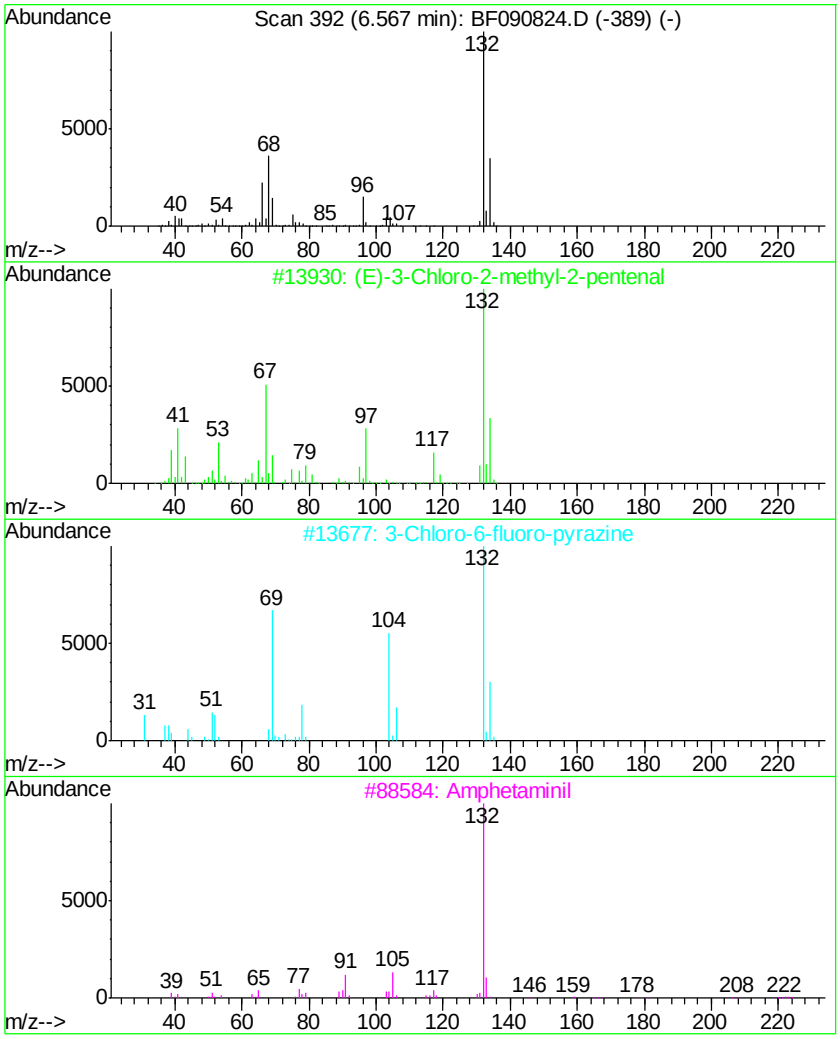
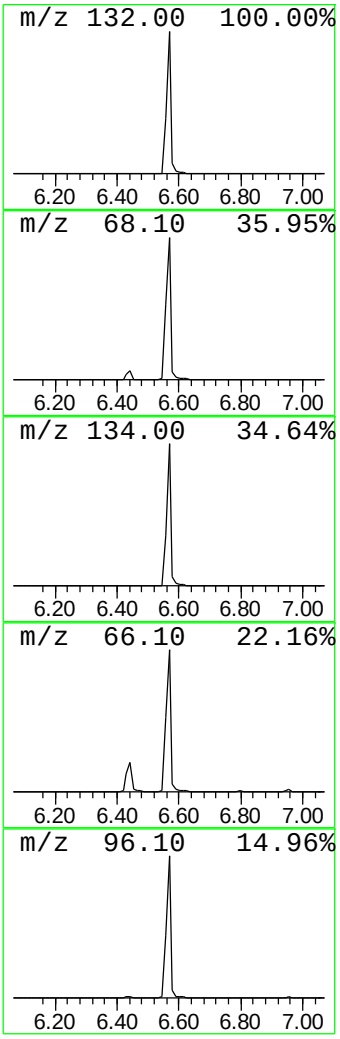
Peak Number 2 unknown6.57 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	74.59 ng	3748120	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	35
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
3	Amphetaminil	250	C17H18N2	017590-01-1	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





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Sample : H5394-02
Misc :
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Instrument : BNA_F
ClientSampleId : SIDEWELL-EAST

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.M
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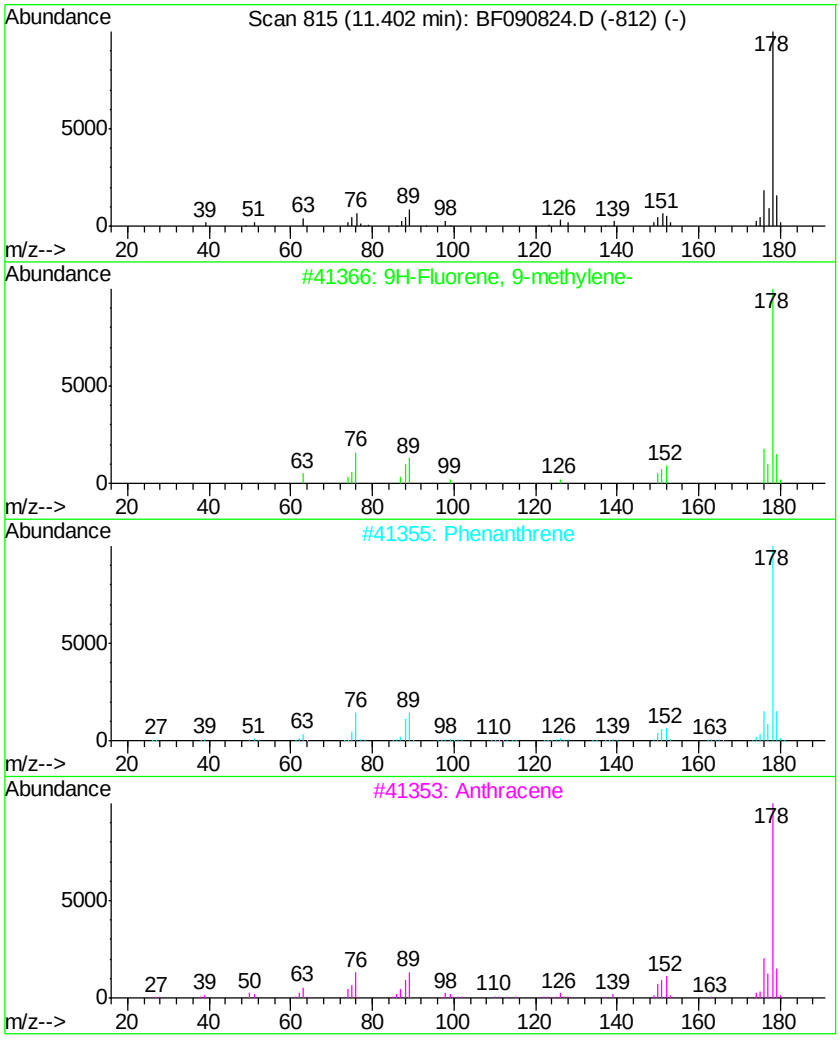
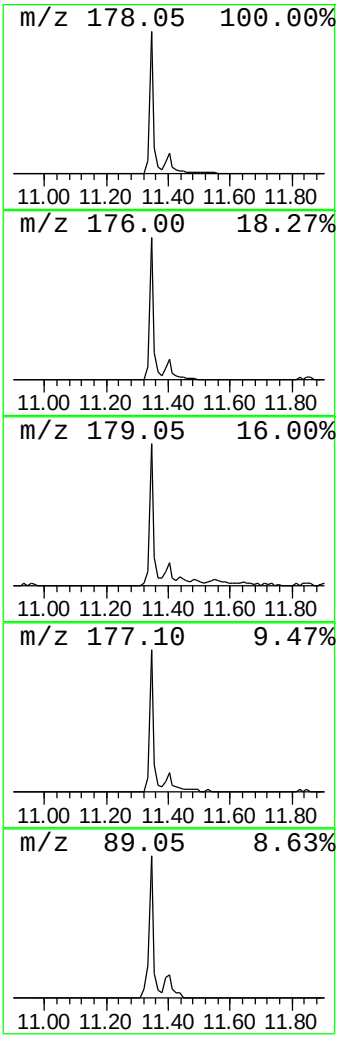
****

Peak Number 4 9H-Fluorene, 9-methylene- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	2.10 ng	160934	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-methylene-	178	C14H10	004425-82-5	90
2	Phenanthrene	178	C14H10	000085-01-8	90
3	Anthracene	178	C14H10	000120-12-7	90
4	Diphenylethyne	178	C14H10	000501-65-5	90
5	Benz[a]azulene	178	C14H10	000246-02-6	87





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Instrument : BNA_F
ClientSampleId : SIDEWELL-EAST

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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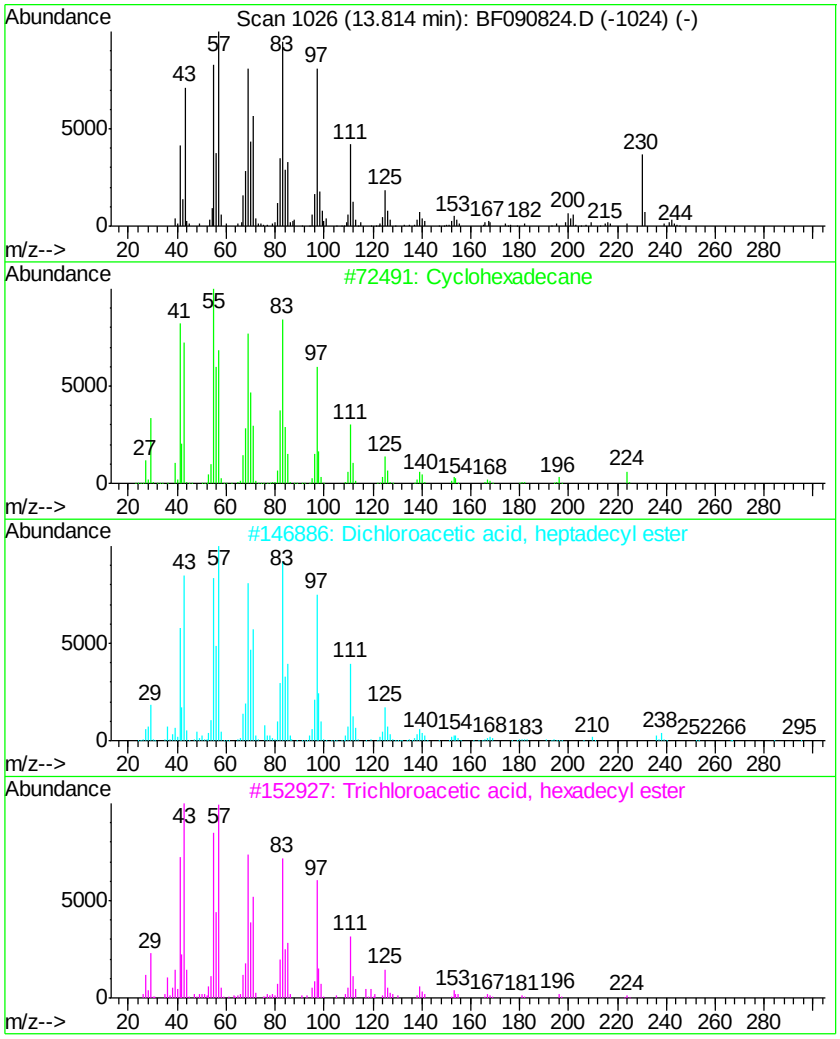
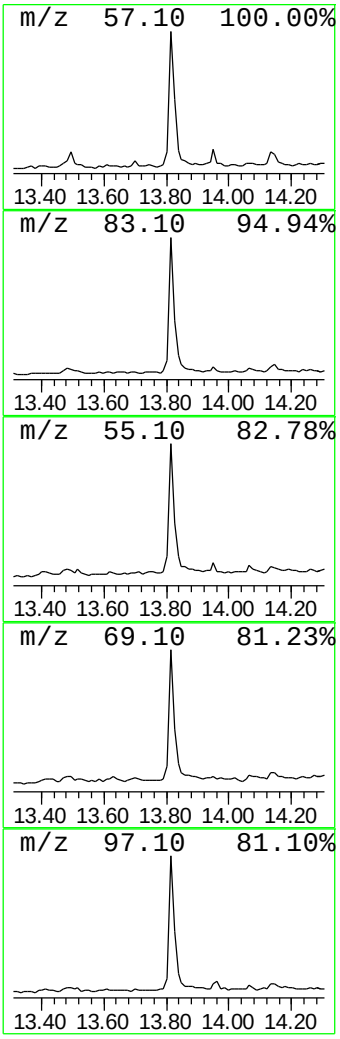
Peak Number 5 Cyclohexadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.81	3.43 ng	296632	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	98
2	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	95
3	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91
4	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	91
5	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	91





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.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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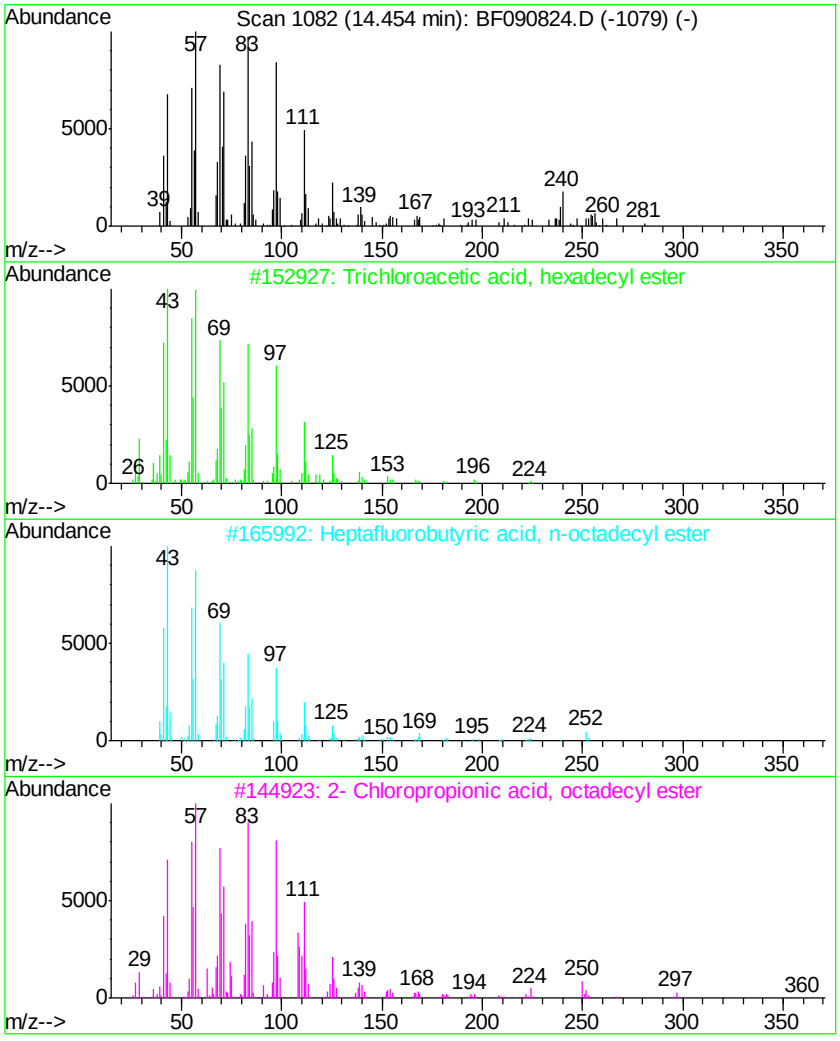
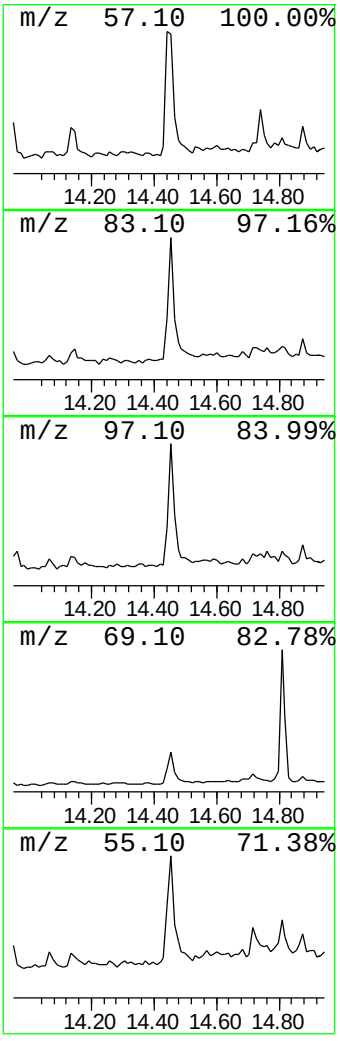
Peak Number 6 Trichloroacetic acid, hexad... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.45	2.74 ng	236977	Chrysene-d12	13.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91
2	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	91
3	2- Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	90
4	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	87
5	1-Nonadecene	266	C19H38	018435-45-5	87





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Sample : H5394-02
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Instrument : BNA_F
ClientSampleId : SIDEWELL-EAST

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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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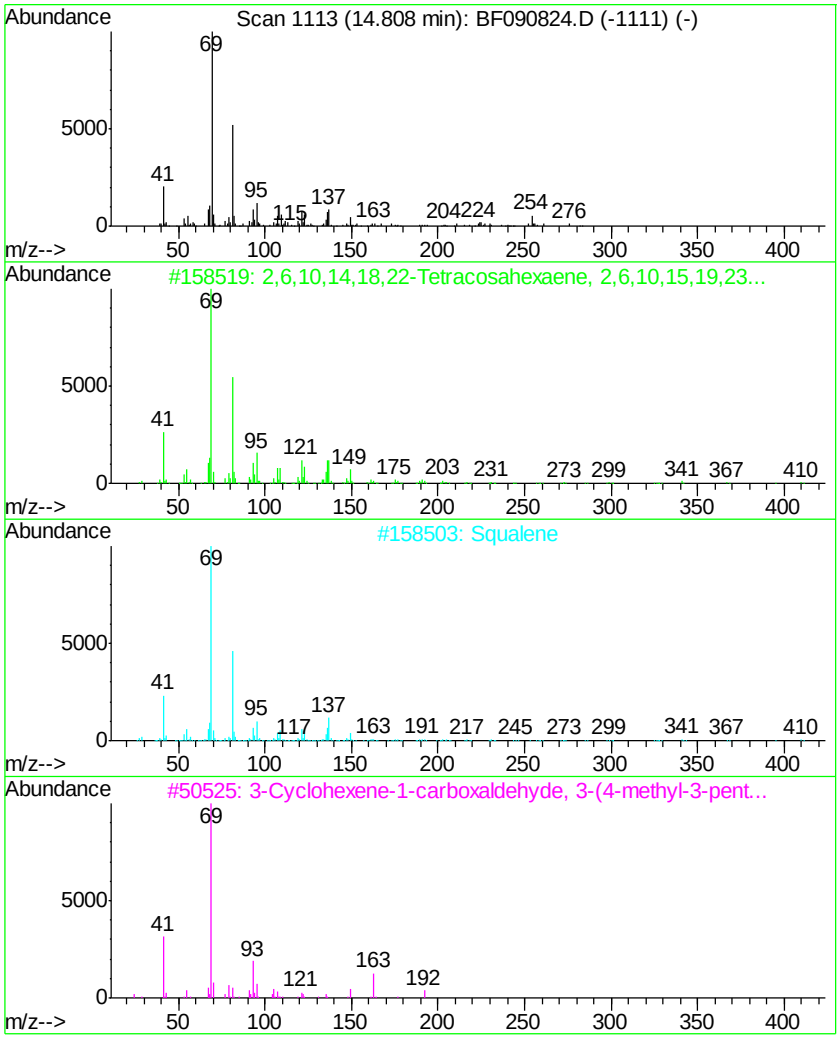
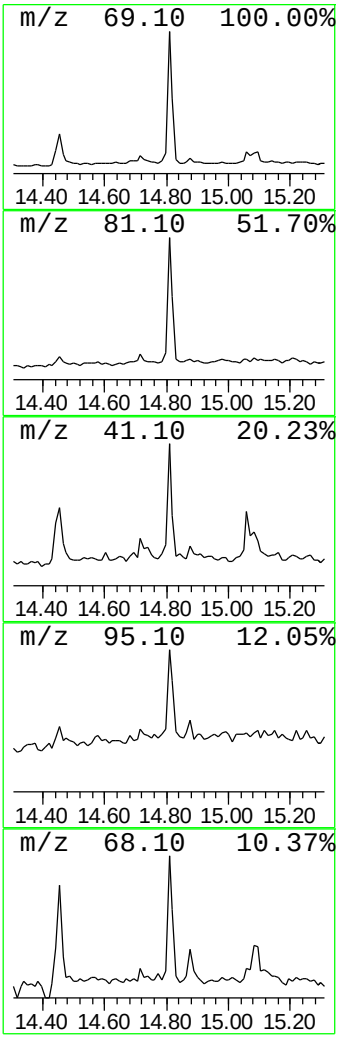
Peak Number 7 2,6,10,14,18,22-Tetracosahe... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	2.99 ng	168617	Perylene-d12	15.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	80
2	Squalene	410	C30H50	007683-64-9	74
3	3-Cyclohexene-1-carboxaldehyde, ...	192	C13H20O	052475-89-5	64
4	4,9,13,17-Tetramethyl-4,8,12,16-...	316	C22H36O	056882-09-8	64
5	1,5-Heptadiene, 3,3,6-trimethyl-	138	C10H18	035387-63-4	59





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Misc :
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Instrument : BNA_F
ClientSampleId : SIDEWELL-EAST

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.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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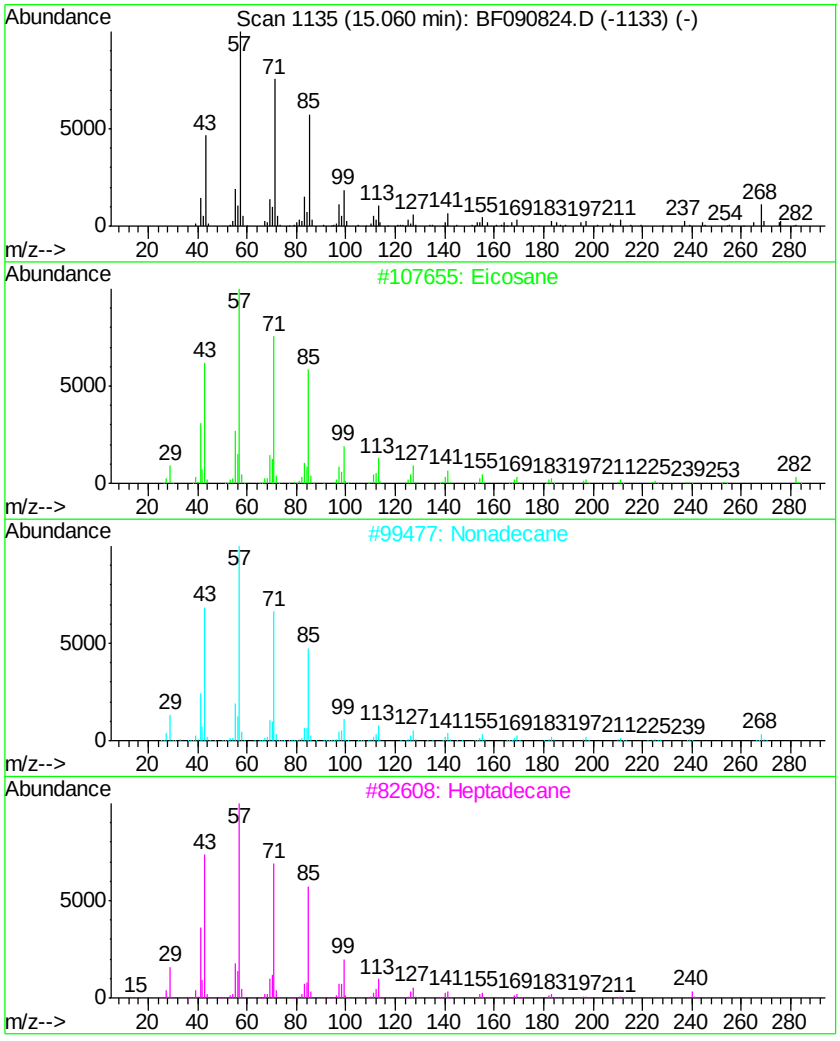
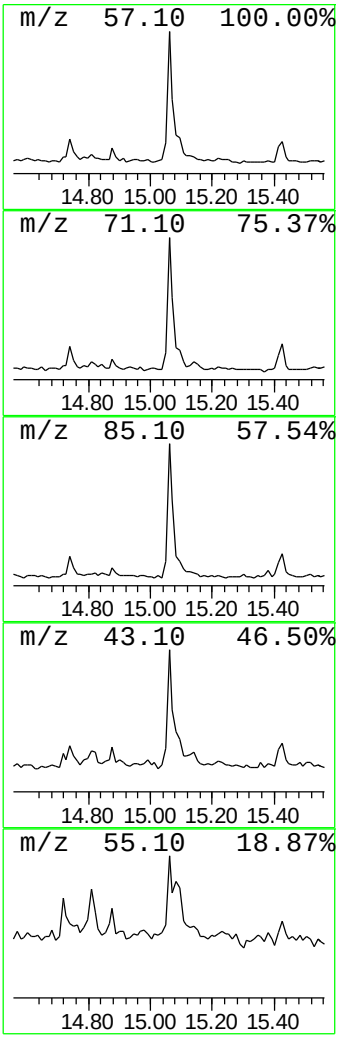
Peak Number 8 Eicosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	3.95 ng	222411	Perylene-d12	15.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	93
2	Nonadecane	268	C19H40	000629-92-5	87
3	Heptadecane	240	C17H36	000629-78-7	87
4	Heneicosane	296	C21H44	000629-94-7	87
5	Octacosane	394	C28H58	000630-02-4	87





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102516\
Data File : BF090824.D
Acq On : 25 Oct 2016 22:55
Operator : UM/SJ
Sample : H5394-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.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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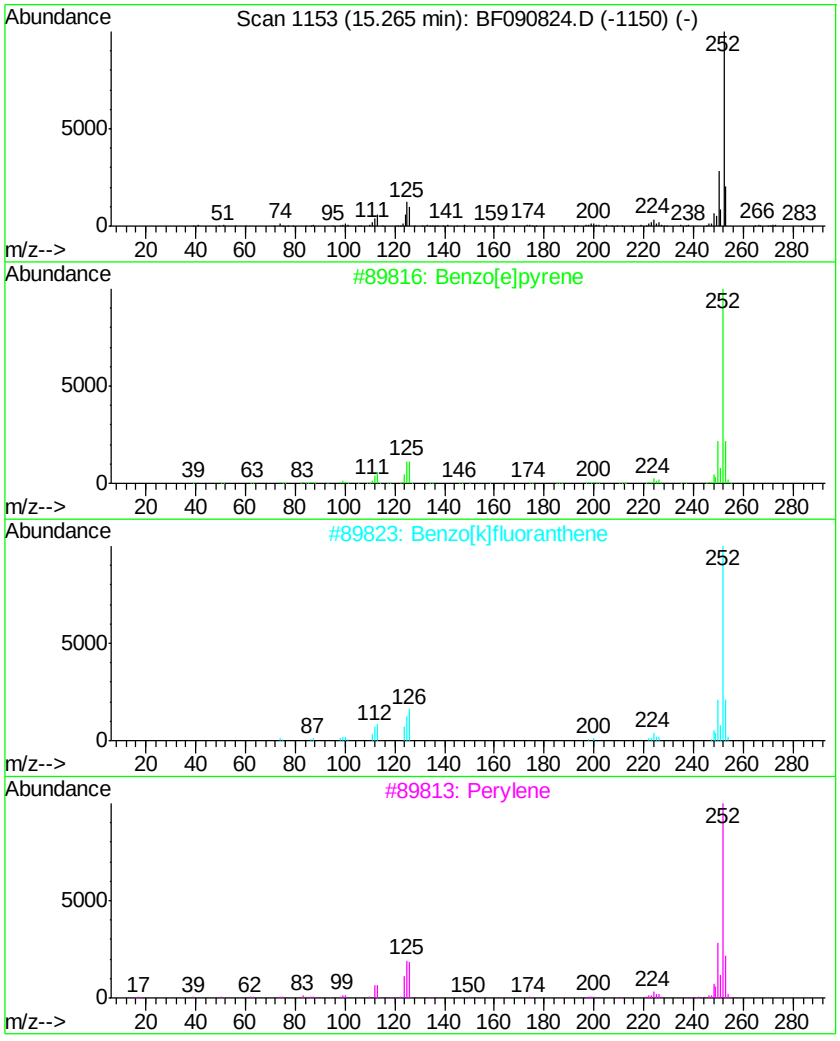
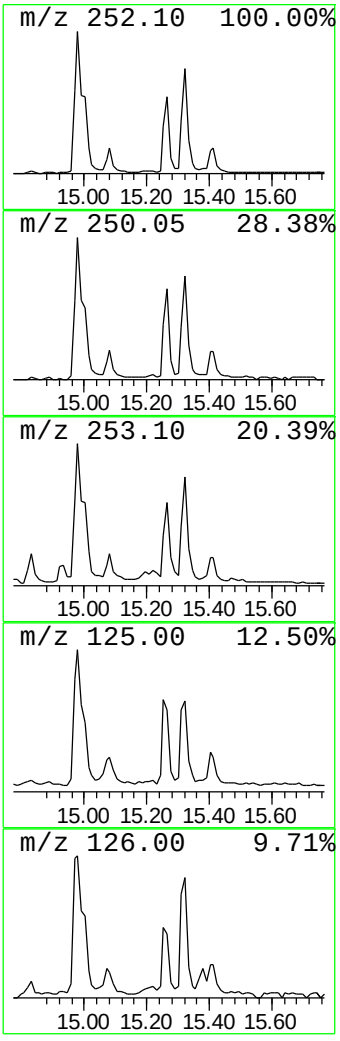
Peak Number 9 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	3.35 ng	188698	Perylene-d12	15.38

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	95
3	Perylene	252	C20H12	000198-55-0	95
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94





Data Path : Z:\HPCHEM1\BNA F\DATA\BF102516\
Data File : BF090824.D
Acq On : 25 Oct 2016 22:55
Operator : UM/SJ
Sample : H5394-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SIDEWELL-EAST

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

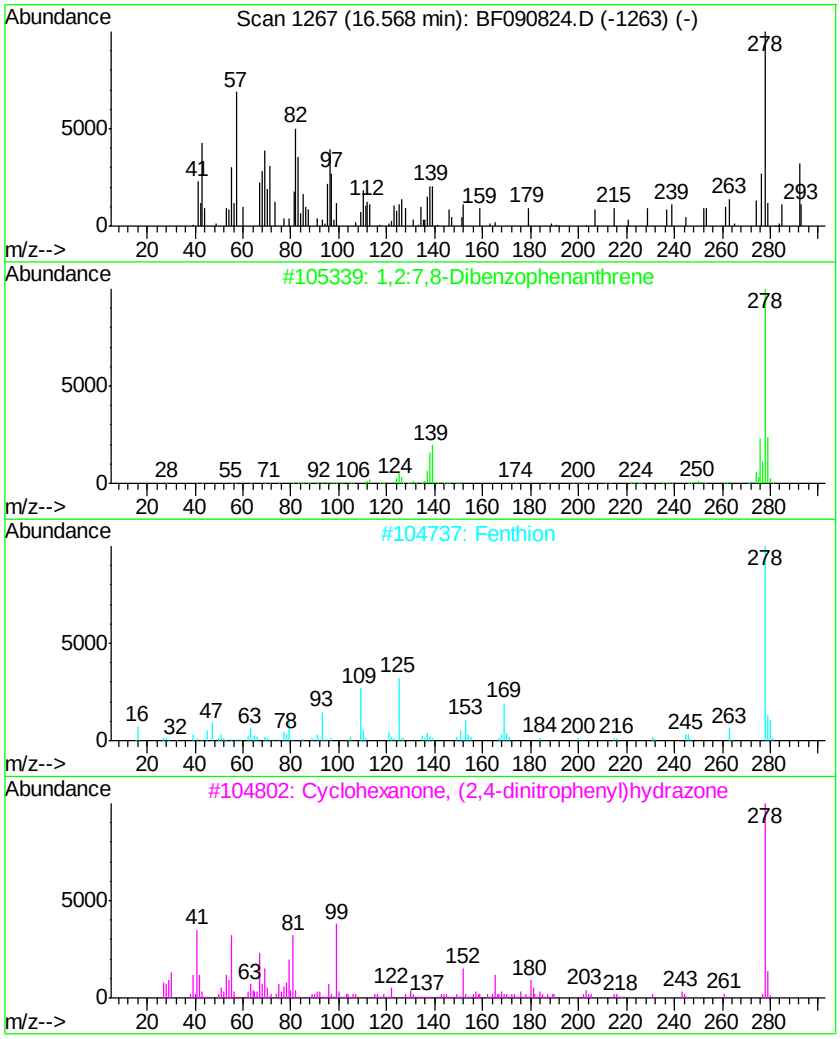
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

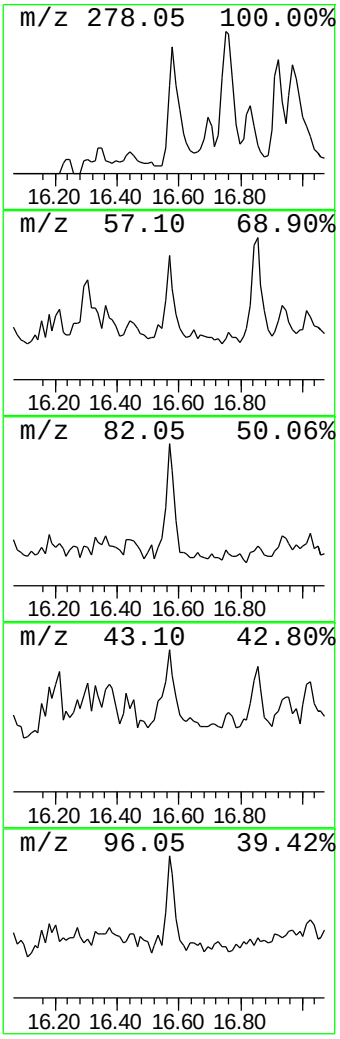
****

Peak Number 10 unknown16.57 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.57	2.00 ng	112849	Perylene-d12	15.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	38
2	Fenthion	278	C10H15O3PS2	000055-38-9	27
3	Cyclohexanone, (2,4-dinitrophenyl...	278	C12H14N4O4	001589-62-4	27
4	Bis[5-nitro-2-pyridyl]sulfide	278	C10H6N4O4S	002127-11-9	27
5	Pentacene	278	C22H14	000135-48-8	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102516\
Data File : BF090824.D
Acq On : 25 Oct 2016 22:55
Operator : UM/SJ
Sample : H5394-02
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SIDEWELL-EAST

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102116.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...	4.97	15.8	ng	793393	1	6.80	1005010	20.0
unknown6.57	6.57	74.6	ng	3748120	1	6.80	1005010	20.0
9H-Fluorene, 9-me...	11.40	2.1	ng	160934	4	11.32	1533540	20.0
Cyclohexadecane	13.81	3.4	ng	296632	5	13.96	1730730	20.0
Trichloroacetic a...	14.45	2.7	ng	236977	5	13.96	1730730	20.0
2,6,10,14,18,22-T...	14.81	3.0	ng	168617	6	15.38	1127080	20.0
Eicosane	15.06	4.0	ng	222411	6	15.38	1127080	20.0
Benzo[e]pyrene	15.27	3.4	ng	188698	6	15.38	1127080	20.0
unknown16.57	16.57	2.0	ng	112849	6	15.38	1127080	20.0