LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085693.D
Acq On : 23 Mar 2016 8:19
Operator : UM/SJ
Sample : H1857-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-05(10-11)

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-BF031816.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	4.493	190	193	196	rBV	1934994	2918734	79.50%	8.086%
2	5.018	237	239	250	rVB	289528	495640	13.50%	1.373%
3	5.441	272	276	278	rBV	2751139	3628620	98.84%	10.052%
4	5.841	309	311	314	rVB	31757	42941	1.17%	0.119%
5	6.470	363	366	369	rBV	2589761	3190415	86.90%	8.838%
6	6.607	375	378	380	rBV	2505773	3671175	100.00%	10.170%
7	6.836	395	398	400	rBV	564179	743337	20.25%	2.059%
8	6.984	409	411	414	rBV	2336211	2639762	71.91%	7.313%
9	7.053	414	417	421	rVB	28215	40753	1.11%	0.113%
10	7.224	429	432	435	rBV2	24886	38029	1.04%	0.105%
11	7.396	444	447	449	rBV	1932934	2316929	63.11%	6.419%
12	7.613	463	466	468	rVB3	62514	61984	1.69%	0.172%
13	7.762	477	479	481	rVB3	69651	58916	1.60%	0.163%
14	7.807	481	483	484	rVB2	168570	119889	3.27%	0.332%
15	7.853	484	487	492	rBV	25955	39613	1.08%	0.110%
16	8.116	507	510	512	rBV	1237694	1050639	28.62%	2.911%
17	8.287	524	525	527	rVB	54953	38002	1.04%	0.105%
18	9.190	601	604	607	rBV	3011621	3519400	95.87%	9.750%
19	9.282	609	612	614	rVB2	197048	211868	5.77%	0.587%
20	9.590	637	639	641	rVB	620404	597797	16.28%	1.656%
21	9.807	656	658	660	rBV	59567	71277	1.94%	0.197%
22	9.865	661	663	665	rVV2	971445	1057893	28.82%	2.931%
23	10.242	690	696	698	rBV2	13671	42012	1.14%	0.116%
24	10.299	699	701	703	rVB	158156	145198	3.96%	0.402%
25	10.516	717	720	724	rBV	56614	101848	2.77%	0.282%
26	10.665	729	733	735	rBV2	1709580	2497123	68.02%	6.918%
27	10.722	736	738	741	rVV4	30604	43077	1.17%	0.119%
28	10.768	741	742	747	rVV	119157	219681	5.98%	0.609%
29	10.962	757	759	764	rBV3	29628	57052	1.55%	0.158%
30	11.225	779	782	783	rBV	53346	76512	2.08%	0.212%
31	11.350	791	793	794	rBV	1224820	1022673	27.86%	2.833%
32	11.373	794	795	796	rVV	125044	93766	2.55%	0.260%
33	11.408	796	798	801	rVB3	20341	44017	1.20%	0.122%
34	11.876	838	839	842	rBV2	82116	108463	2.95%	0.300%

LSC Area Percent Report

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Misc :
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Instrument : BNA_F
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Integrator: RTE
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Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.562	897	899	901	rVB	139450	117254	3.19%	0.325%
36	12.791	916	919	920	rVB	70705	90047	2.45%	0.249%
37	12.939	929	932	934	rBV	2054468	2572830	70.08%	7.127%
38	13.831	1008	1010	1014	rVV	47723	75998	2.07%	0.211%
39	13.979	1020	1023	1029	rVB	741365	736710	20.07%	2.041%
40	14.619	1077	1079	1082	rBV3	86210	155743	4.24%	0.431%
41	14.837	1093	1098	1099	rBV2	34551	65544	1.79%	0.182%
42	14.905	1099	1104	1105	rVB4	20552	50874	1.39%	0.141%
43	14.997	1110	1112	1114	rBV	25474	49979	1.36%	0.138%
44	15.042	1114	1116	1117	rVV	60851	55200	1.50%	0.153%
45	15.111	1120	1122	1125	rBV4	47627	62689	1.71%	0.174%
46	15.271	1134	1136	1139	rBV2	26801	58212	1.59%	0.161%
47	15.339	1139	1142	1145	rVB	40995	62329	1.70%	0.173%
48	15.397	1145	1147	1149	rBV	493546	614379	16.74%	1.702%
49	15.431	1149	1150	1153	rVB	67807	71944	1.96%	0.199%
50	15.477	1153	1154	1155	rBV	46103	37187	1.01%	0.103%
51	15.671	1168	1171	1176	rVB5	57906	82580	2.25%	0.229%
52	15.808	1182	1183	1184	rBV	119585	84601	2.30%	0.234%
53	19.214	1472	1481	1486	rBV9	7879	48280	1.32%	0.134%

Sum of corrected areas: 36097415

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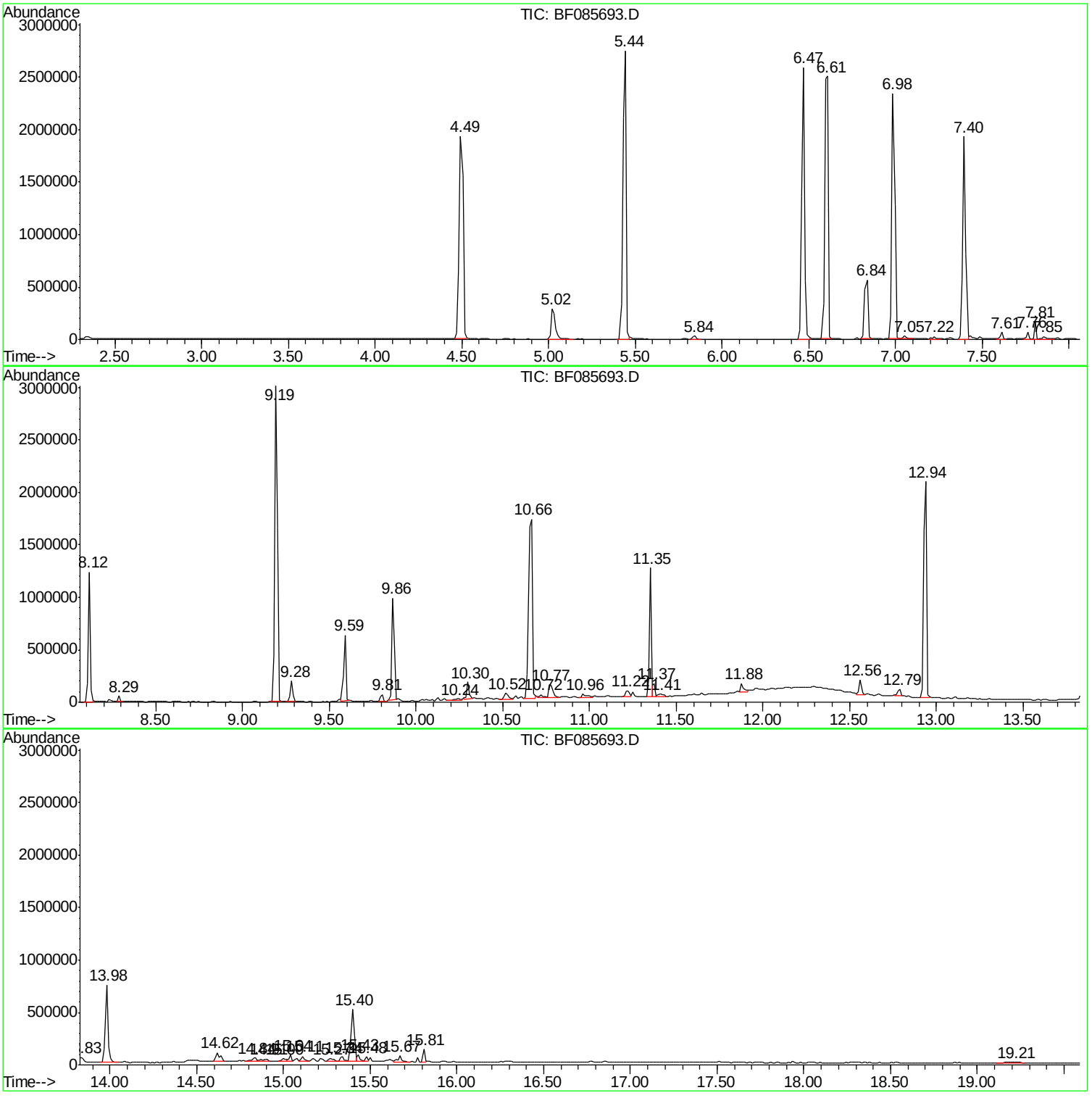
BNA_F
ClientSampleId :
SB-05(10-11)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.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

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Operator : UM/SJ
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Instrument : BNA_F
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TIC Integration Parameters: LSCINT.P

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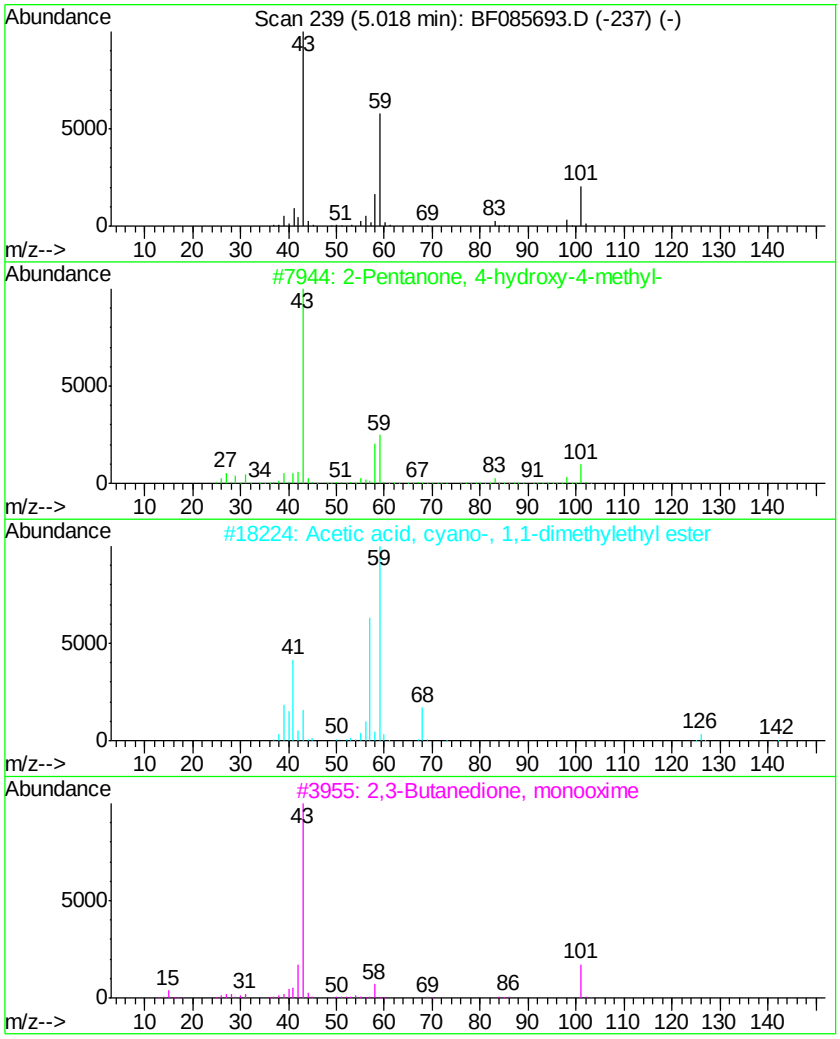
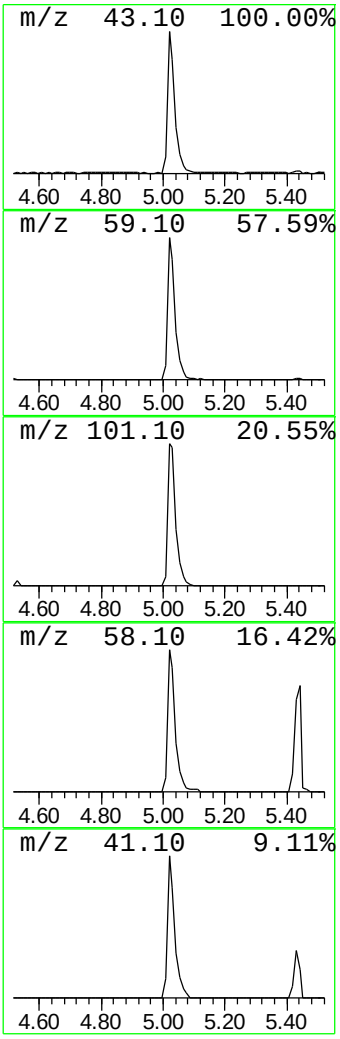
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	13.34 ng	495640	1,4-Dichlorobenzene-d4	6.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





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Misc :
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Instrument : BNA_F
ClientSampleId : SB-05(10-11)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.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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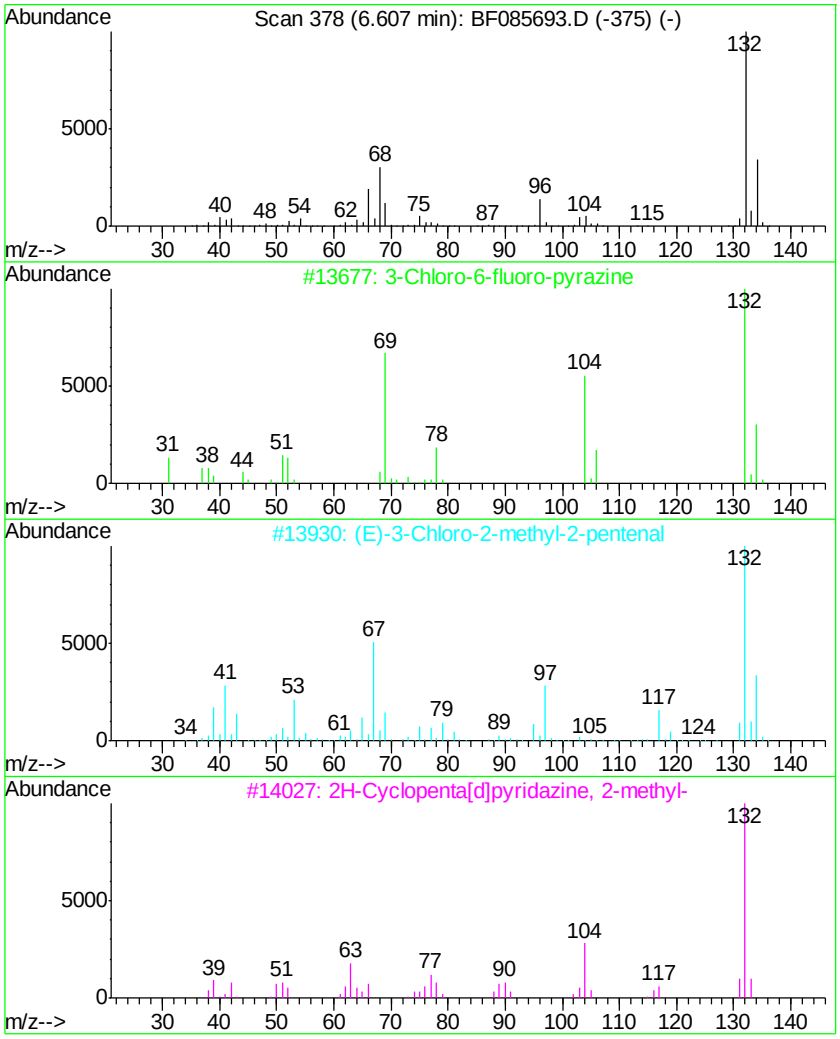
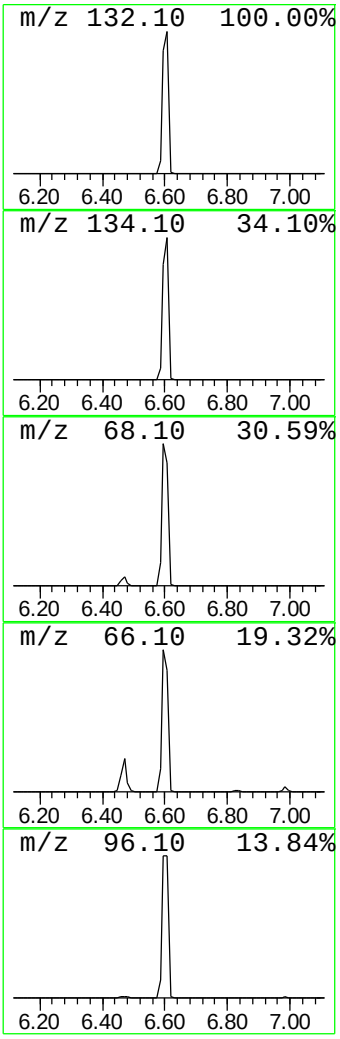
Peak Number 3 unknown6.61 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	98.78 ng	3671180	1,4-Dichlorobenzene-d4	6.84

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	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





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Instrument : BNA_F
ClientSampleId : SB-05(10-11)

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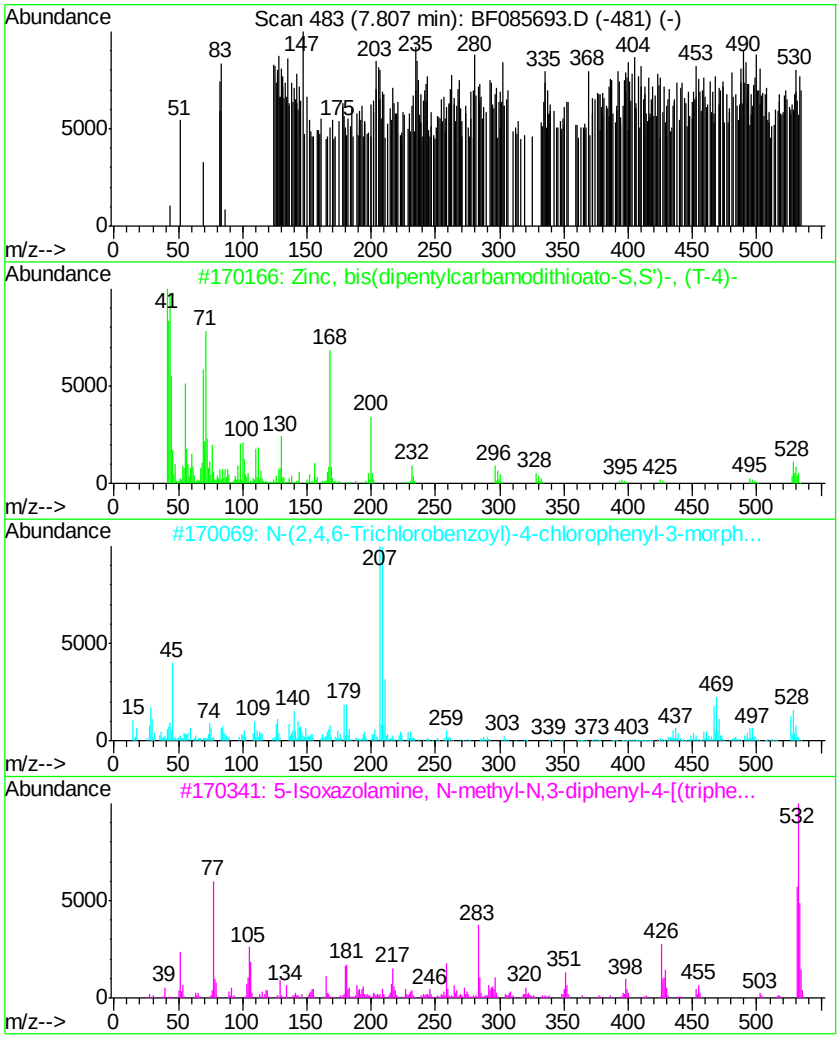
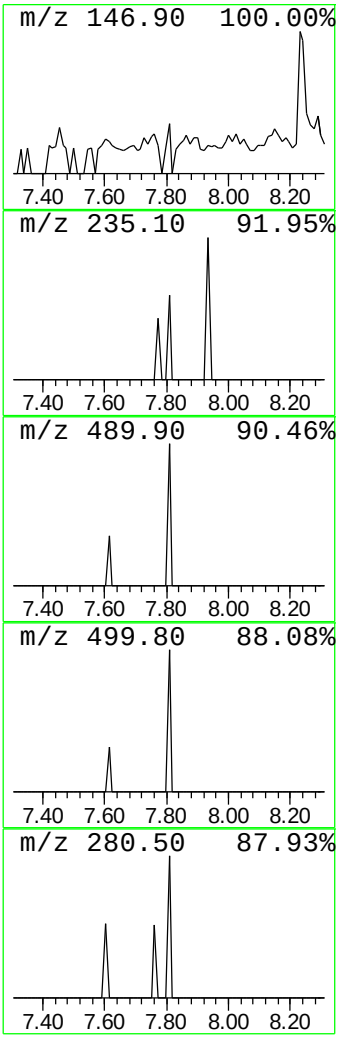
Peak Number 5 unknown7.81 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.81	2.28 ng	119889	Naphthalene-d8	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Zinc, bis(dipentylcarbamodithioa...	528	C22H44N2S4Zn	015337-18-5	25
2	N-(2,4,6-Trichlorobenzoyl)-4-chl...	526	C23H18Cl4N2O4	1000287-17-5	9
3	5-Isoxazolamine, N-methyl-N,3-di...	532	C36H28N2OSi	135703-02-5	9
4	Zinc, bis[[5,5'-methylenebis[3,4...	530	C26H34N4O4Zn	069782-63-4	7
5	Mercury iodo, (o-iodophenyl)-	532	C6H4HgI2	089487-89-8	6





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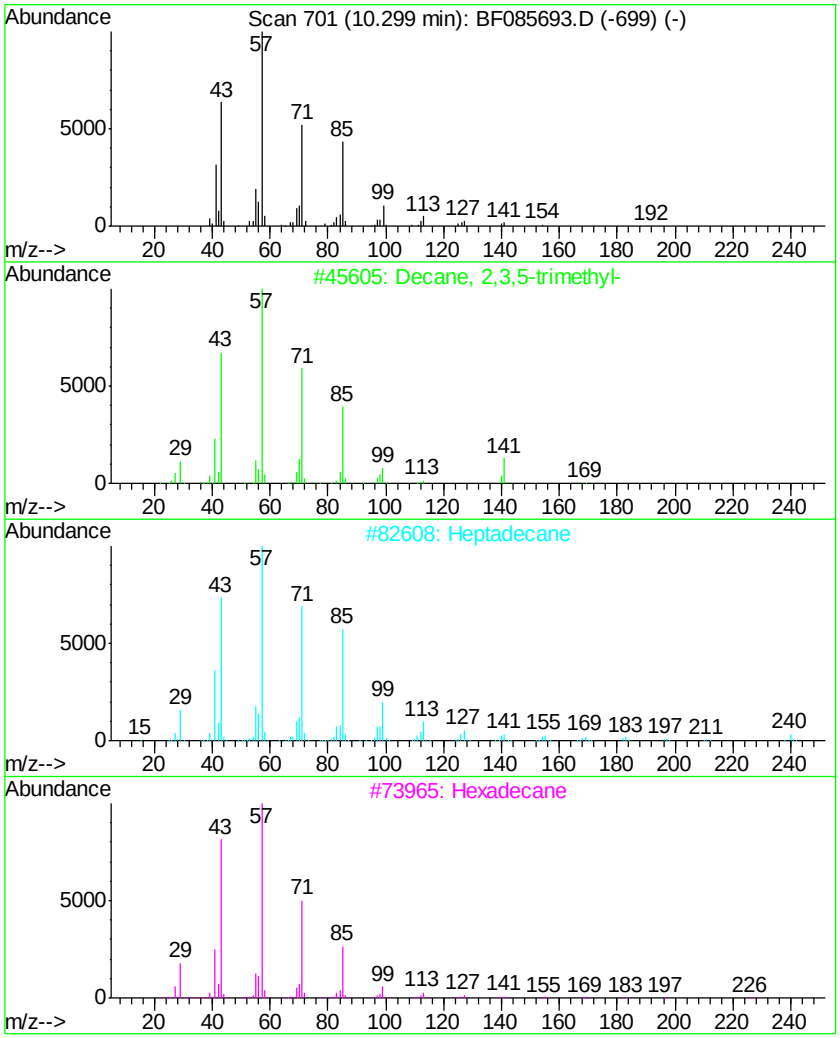
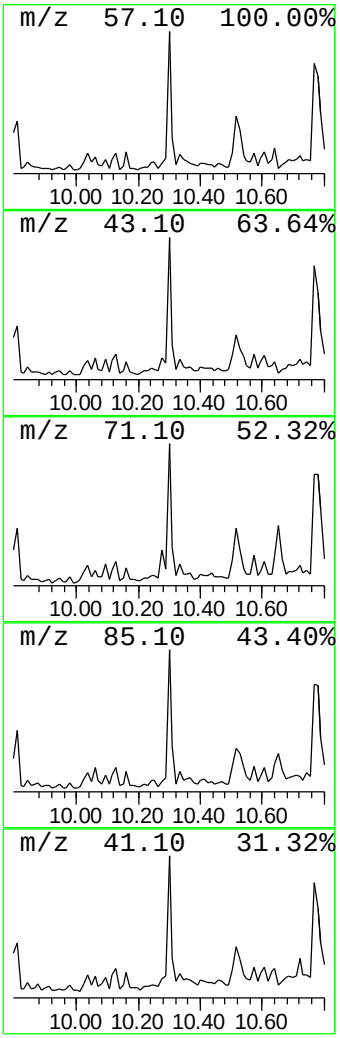
Peak Number 7 Decane, 2,3,5-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.30	2.75 ng	145198	Acenaphthene-d10	9.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,3,5-trimethyl-	184	C13H28	062238-11-3	90
2	Heptadecane	240	C17H36	000629-78-7	90
3	Hexadecane	226	C16H34	000544-76-3	90
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80
5	Tridecane, 7-propyl-	226	C16H34	055045-09-5	80





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ClientSampleId : SB-05(10-11)

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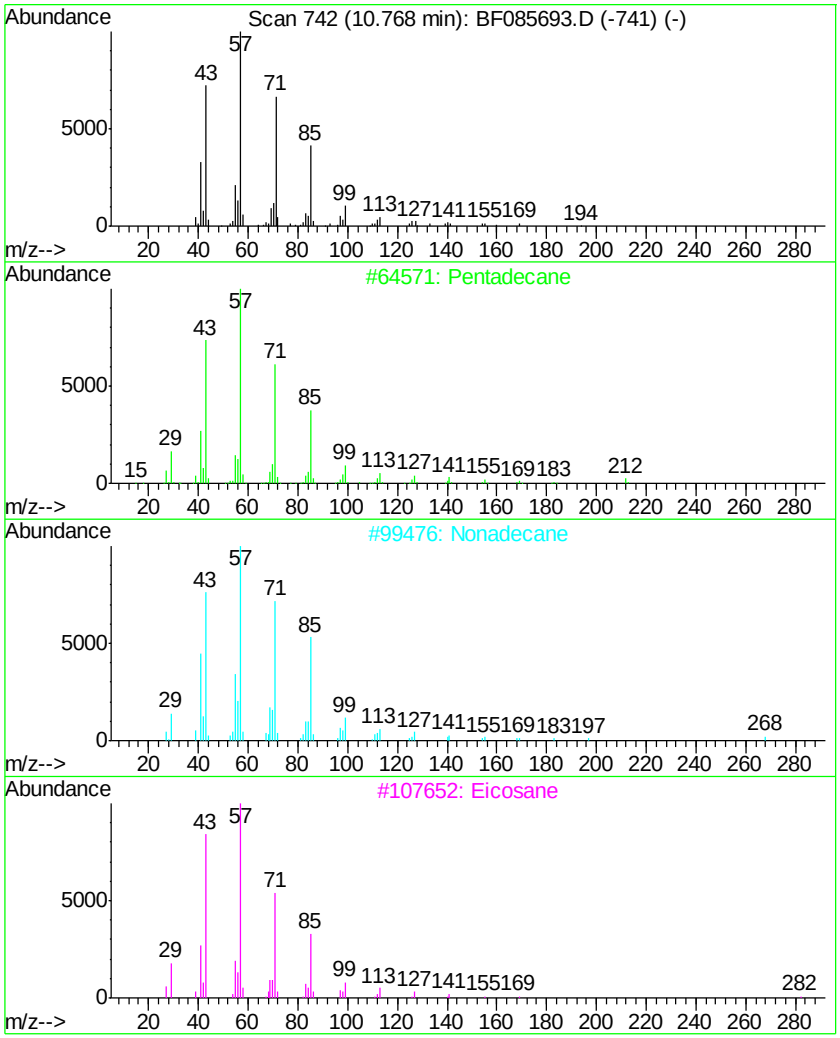
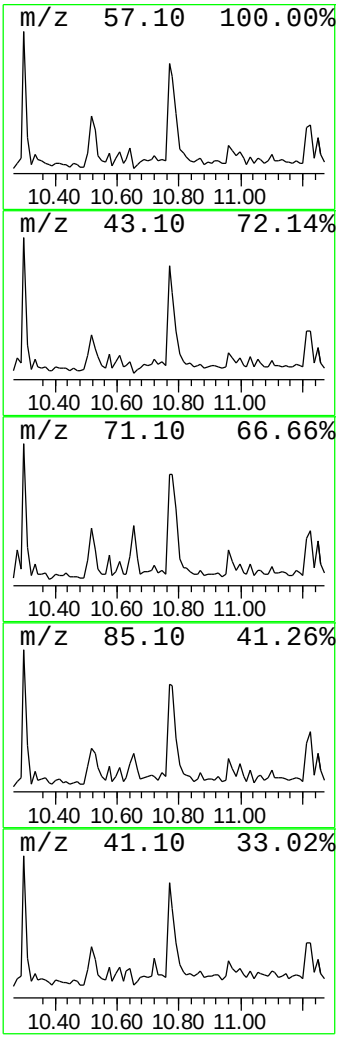
Peak Number 8 Pentadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.77	4.30 ng	219681	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	86
2	Nonadecane	268	C19H40	000629-92-5	86
3	Eicosane	282	C20H42	000112-95-8	83
4	Heptacosane	380	C27H56	000593-49-7	83
5	Heneicosane	296	C21H44	000629-94-7	83





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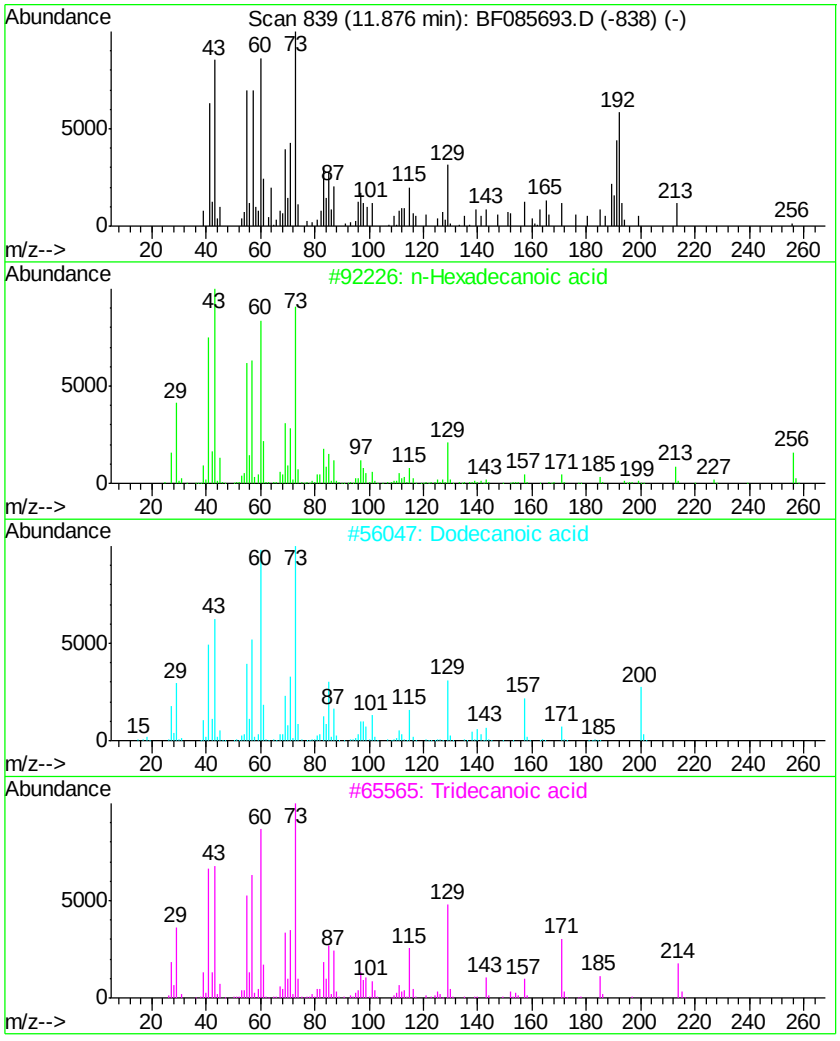
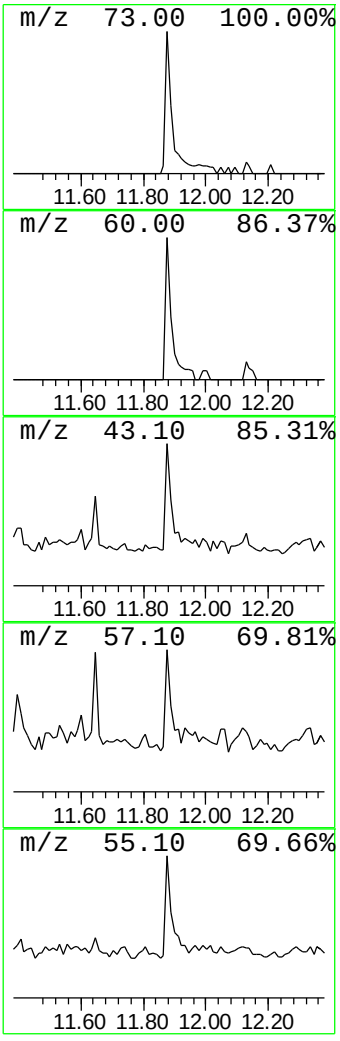
Peak Number 9 n-Hexadecanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	2.12 ng	108463	Phenanthrene-d10	11.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	53
2	Dodecanoic acid	200	C12H24O2	000143-07-7	53
3	Tridecanoic acid	214	C13H26O2	000638-53-9	49
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	49
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	46





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TIC Library : C:\DATABASE\NIST02.L
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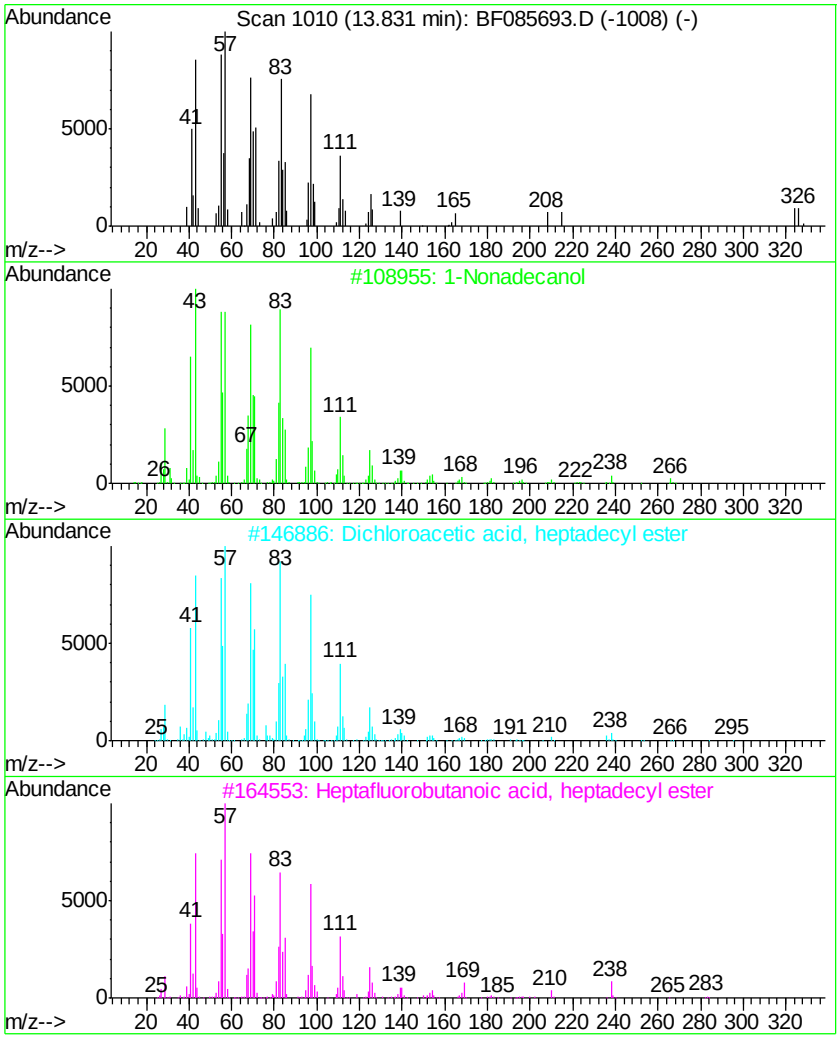
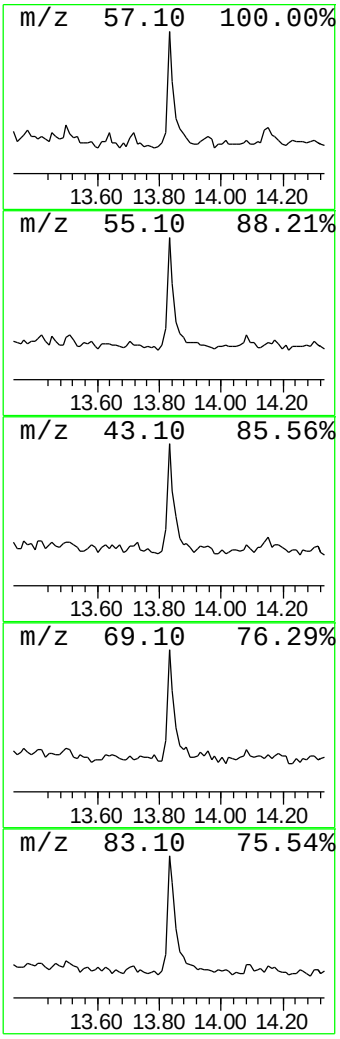
Peak Number 10 1-Nonadecanol Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	2.06 ng	75998	Chrysene-d12	13.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonadecanol	284	C19H40O	001454-84-8	95
2	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	95
3	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	94
4	Heptafluorobutyric acid, n-penta...	424	C19H31F7O2	1000216-79-3	91
5	1-Heneicosyl formate	340	C22H44O2	077899-03-7	91





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TIC Library : C:\DATABASE\NIST02.L
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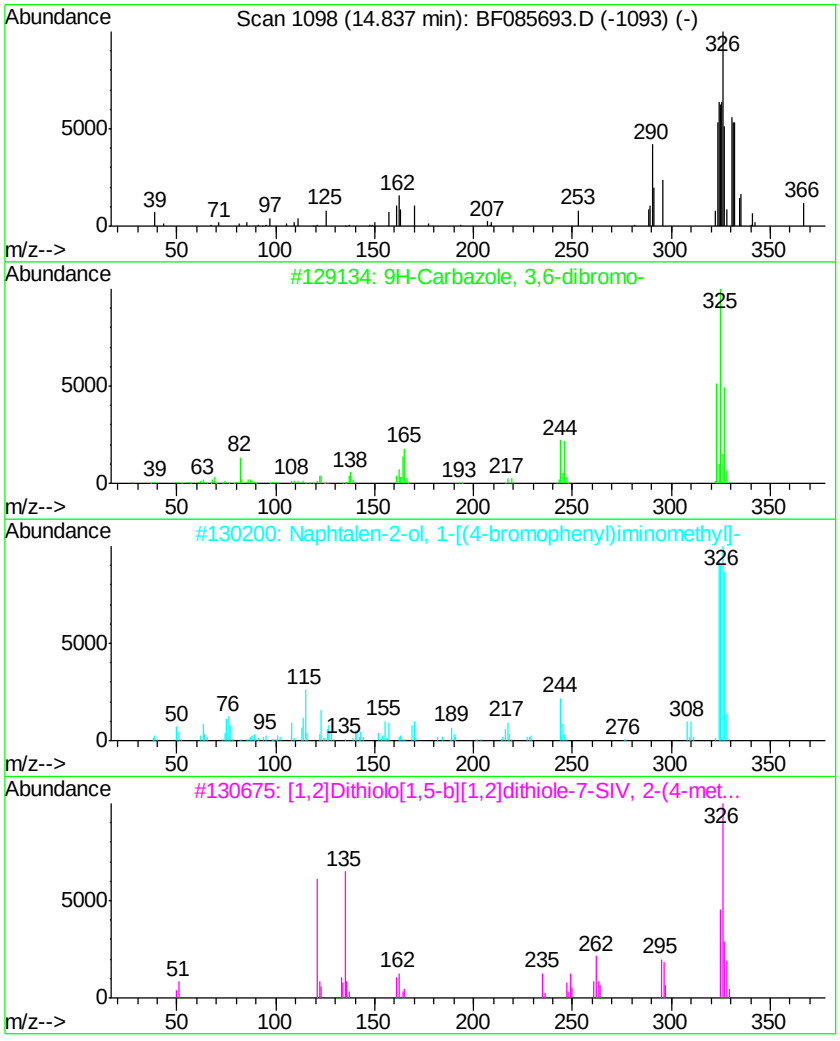
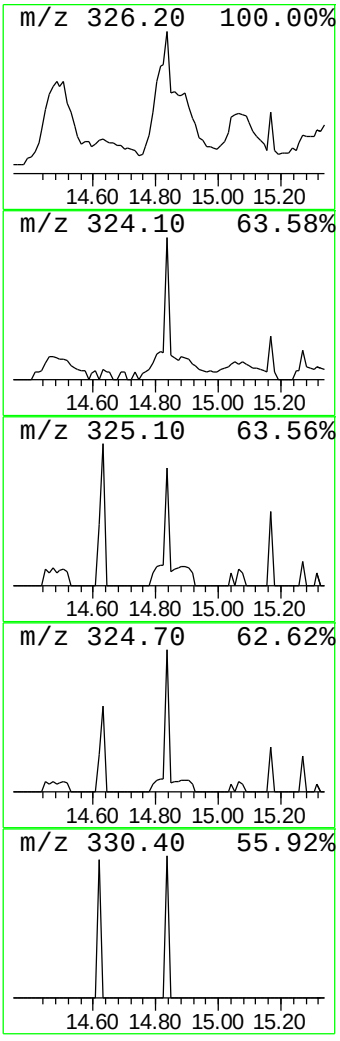
Peak Number 12 unknown14.84 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	2.13 ng	65544	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Carbazole, 3,6-dibromo-	323	C12H7Br2N	006825-20-3	22
2	Naphtalen-2-ol, 1-[(4-bromopheny...	325	C17H12BrNO	1000221-94-7	14
3	[1,2]Dithiolo[1,5-b][1,2]dithiol...	326	C18H14S3	038443-42-4	14
4	Eburnamonine, 11-methoxy-	324	C20H24N2O2	004800-93-5	11
5	1,1'-Biphenyl, 2,3',4,5,5'-penta...	324	C12H5Cl5	068194-12-7	10





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Acq On : 23 Mar 2016 8:19
Operator : UM/SJ
Sample : H1857-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-05(10-11)

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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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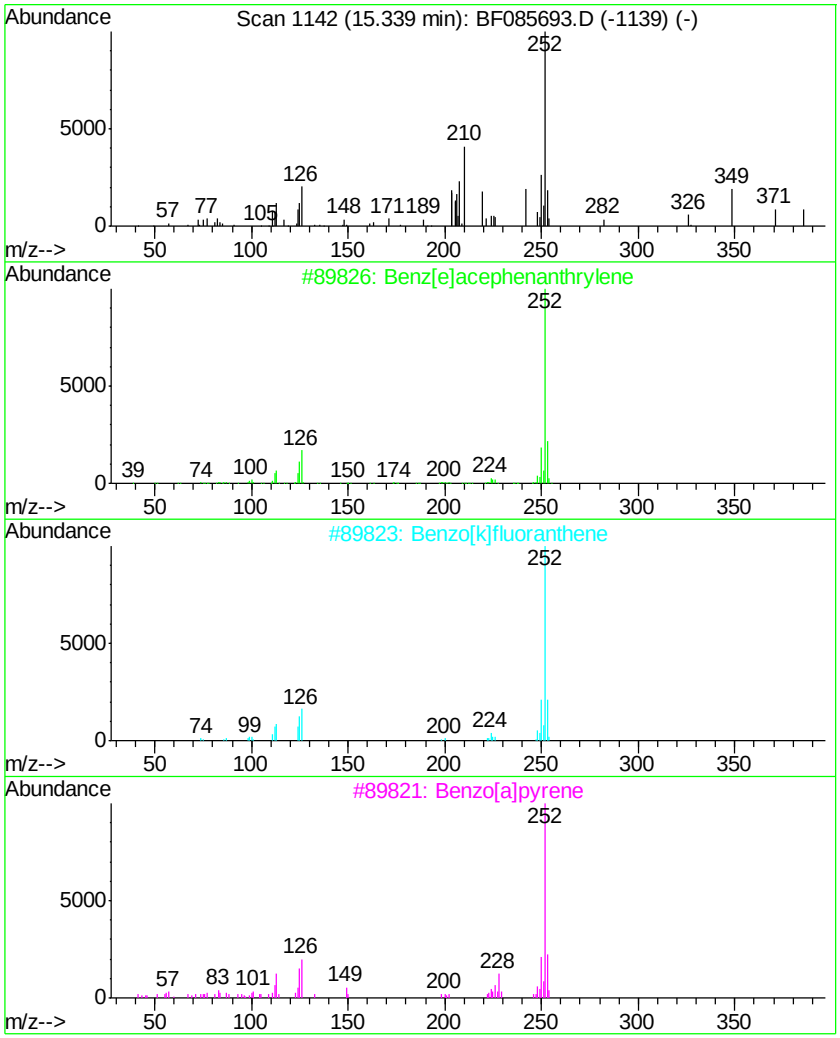
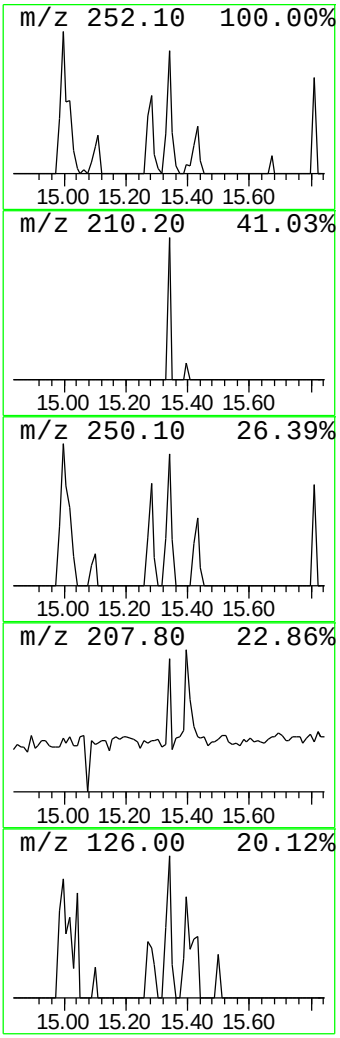
Peak Number 14 Benz[e]acephenanthrylene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	2.03 ng	62329	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	83
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	80
3	Benzo[a]pyrene	252	C20H12	000050-32-8	80
4	Benzo[e]pyrene	252	C20H12	000192-97-2	42
5	Perylene	252	C20H12	000198-55-0	38





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085693.D
Acq On : 23 Mar 2016 8:19
Operator : UM/SJ
Sample : H1857-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-05(10-11)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.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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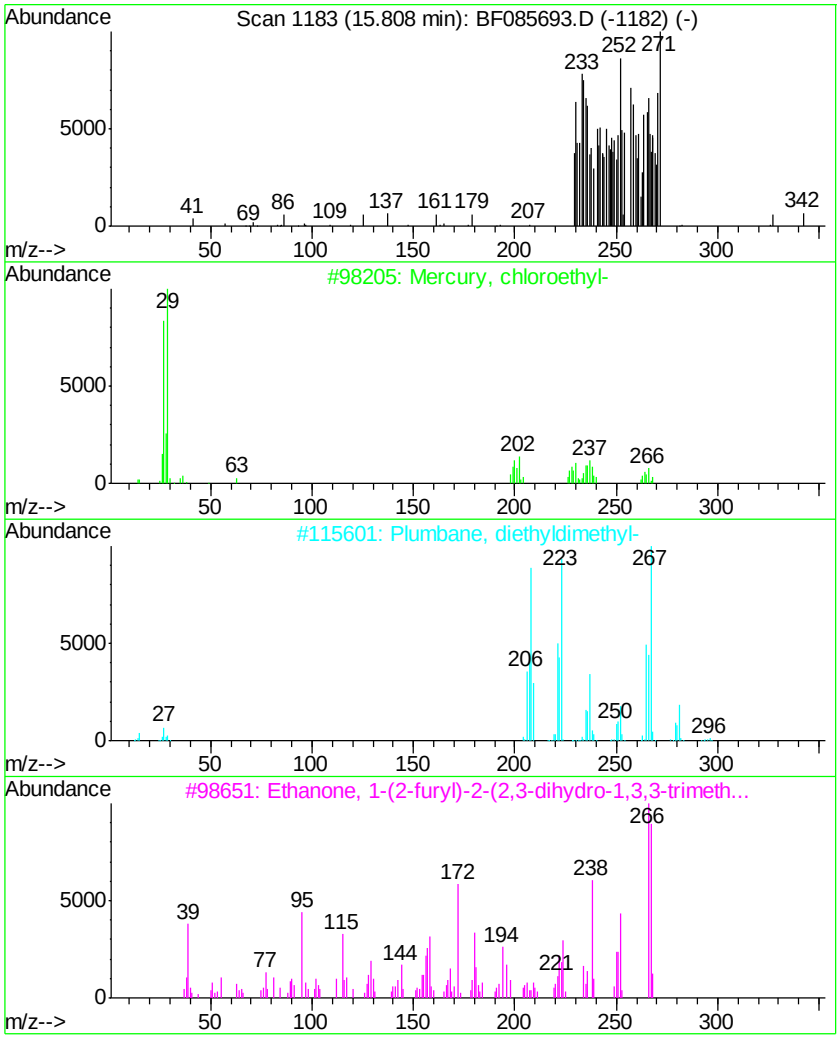
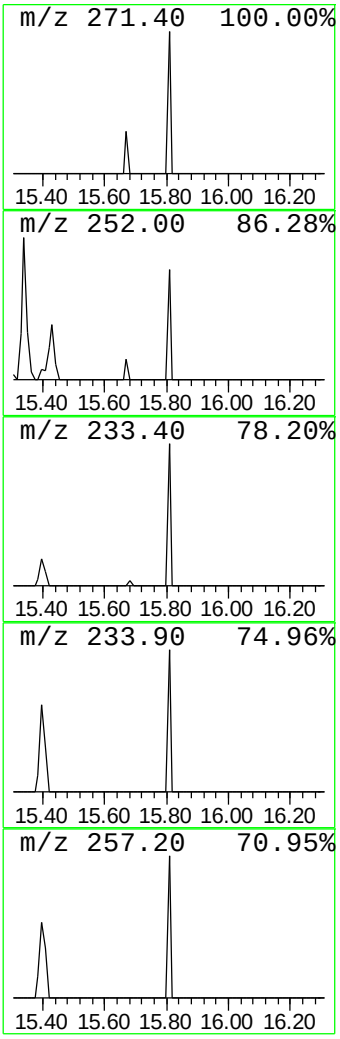
Peak Number 16 unknown15.81 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.81	2.75 ng	84601	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mercury, chloroethyl-	266	C2H5ClHg	000107-27-7	38
2	Plumbane, diethyldimethyl-	296	C6H16Pb	001762-27-2	25
3	Ethanone, 1-(2-furyl)-2-(2,3-dih...	267	C17H17NO2	064473-19-4	14
4	Benzenamine, 4-(1,1-dimethylethy...	281	C13H19N3O4	033629-45-7	12
5	Pyrimido[5,4-d]pyrimidine, tetra...	268	C6Cl4N4	032980-71-5	11





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032216\
Data File : BF085693.D
Acq On : 23 Mar 2016 8:19
Operator : UM/SJ
Sample : H1857-06
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-05(10-11)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.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...	5.02	13.3	ng	495640	1	6.84	743337	20.0
unknown6.61	6.61	98.8	ng	3671180	1	6.84	743337	20.0
unknown7.81	7.81	2.3	ng	119889	2	8.12	1050640	20.0
Decane, 2,3,5-tri...	10.30	2.8	ng	145198	3	9.86	1057890	20.0
Pentadecane	10.77	4.3	ng	219681	4	11.35	1022670	20.0
n-Hexadecanoic acid	11.88	2.1	ng	108463	4	11.35	1022670	20.0
1-Nonadecanol	13.83	2.1	ng	75998	5	13.98	736710	20.0
unknown14.84	14.84	2.1	ng	65544	6	15.40	614379	20.0
Benz[e]acephenant...	15.34	2.0	ng	62329	6	15.40	614379	20.0
unknown15.81	15.81	2.8	ng	84601	6	15.40	614379	20.0