LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081418\
Data File : BF108152.D
Acq On : 14 Aug 2018 18:34
Operator : JU/SJ
Sample : J4460-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081018-FL-011

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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	2.390	4	9	17	rVB	459231	668077	15.68%	1.498%
2	5.266	493	498	509	rVB	760618	942869	22.13%	2.114%
3	5.648	558	563	566	rBV	4146736	4116786	96.65%	9.231%
4	6.636	725	731	734	rBV	4047542	4259688	100.00%	9.551%
5	6.789	752	757	760	rBV	4500417	4199766	98.59%	9.417%
6	7.019	792	796	799	rBV	1389431	1103069	25.90%	2.473%
7	7.178	818	823	826	rBV	3567471	3288400	77.20%	7.373%
8	7.578	886	891	894	rBV	2717967	2654392	62.31%	5.952%
9	8.301	1010	1014	1017	rBV	1538505	1254192	29.44%	2.812%
10	9.301	1182	1184	1187	rVB	64024	56378	1.32%	0.126%
11	9.372	1191	1196	1200	rBV	4196305	4188903	98.34%	9.392%
12	9.442	1204	1208	1211	rBV2	62637	75346	1.77%	0.169%
13	9.636	1237	1241	1245	rBV3	51905	72211	1.70%	0.162%
14	9.719	1246	1255	1257	rVV2	73172	109154	2.56%	0.245%
15	9.760	1257	1262	1270	rVB	445433	483304	11.35%	1.084%
16	9.972	1292	1298	1302	rBV2	86875	92276	2.17%	0.207%
17	10.066	1307	1314	1317	rBV	1160212	1162201	27.28%	2.606%
18	10.095	1317	1319	1321	rVB	64756	48840	1.15%	0.110%
19	10.160	1326	1330	1334	rBV2	33014	47107	1.11%	0.106%
20	10.201	1334	1337	1340	rBV2	33260	45541	1.07%	0.102%
21	10.260	1344	1347	1350	rVB2	89599	89446	2.10%	0.201%
22	10.295	1350	1353	1357	rBV3	82662	104162	2.45%	0.234%
23	10.377	1363	1367	1369	rBV	58055	61135	1.44%	0.137%
24	10.407	1369	1372	1378	rVB2	50731	65668	1.54%	0.147%
25	10.472	1378	1383	1387	rBV2	116284	132790	3.12%	0.298%
26	10.613	1403	1407	1409	rBV2	53142	53297	1.25%	0.120%
27	10.695	1416	1421	1423	rBV	169180	174168	4.09%	0.391%
28	10.854	1444	1448	1452	rBV	2440717	2187068	51.34%	4.904%
29	10.960	1461	1466	1474	rVB	251618	333801	7.84%	0.748%
30	11.395	1537	1540	1542	rBV	70546	61674	1.45%	0.138%
31	11.430	1542	1546	1548	rVB	110636	110316	2.59%	0.247%
32	11.560	1564	1568	1570	rBV	1334117	1141833	26.81%	2.560%
33	11.583	1570	1572	1575	rVV	592702	448434	10.53%	1.005%
34	11.636	1578	1581	1584	rVV	139773	134036	3.15%	0.301%

LSC Area Percent Report

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Sample : J4460-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081018-FL-011

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.666	1584	1586	1591	rVB2	43645	55912	1.31%	0.125%
36	11.783	1603	1606	1609	rBV2	79921	84033	1.97%	0.188%
37	12.060	1650	1653	1656	rBV	124934	110860	2.60%	0.249%
38	12.089	1656	1658	1662	rVB2	128069	104125	2.44%	0.233%
39	12.142	1662	1667	1670	rBV2	58276	86411	2.03%	0.194%
40	12.177	1670	1673	1675	rBV2	123383	126379	2.97%	0.283%
41	12.236	1680	1683	1686	rBV	54440	54073	1.27%	0.121%
42	12.354	1701	1703	1706	rBV	54806	52208	1.23%	0.117%
43	12.518	1727	1731	1733	rBV2	48099	62203	1.46%	0.139%
44	12.613	1745	1747	1751	rBV2	59590	78941	1.85%	0.177%
45	12.777	1772	1775	1779	rVB	749240	657002	15.42%	1.473%
46	13.013	1812	1815	1820	rVB	676394	635210	14.91%	1.424%
47	13.060	1820	1823	1826	rBV2	55652	55590	1.31%	0.125%
48	13.148	1830	1838	1841	rBV	4558718	4118777	96.69%	9.235%
49	13.336	1868	1870	1872	rBV	98830	82780	1.94%	0.186%
50	13.407	1879	1882	1884	rVB	113508	103798	2.44%	0.233%
51	13.442	1884	1888	1891	rBV2	66577	91317	2.14%	0.205%
52	13.989	1979	1981	1983	rBV	53397	49606	1.16%	0.111%
53	14.030	1984	1988	2001	rVB3	381349	584572	13.72%	1.311%
54	14.212	2014	2019	2022	rBV2	1431270	1586572	37.25%	3.557%
55	14.242	2022	2024	2031	rVB	298827	268658	6.31%	0.602%
56	14.324	2035	2038	2039	rBV	58845	48685	1.14%	0.109%
57	14.654	2092	2094	2100	rBV4	68961	84271	1.98%	0.189%
58	15.307	2201	2205	2208	rBV	164449	266199	6.25%	0.597%
59	15.642	2259	2262	2268	rVB	106071	138906	3.26%	0.311%
60	15.707	2269	2273	2279	rBV	143659	198578	4.66%	0.445%
61	15.777	2280	2285	2289	rBV	617966	847614	19.90%	1.900%

Sum of corrected areas: 44599608

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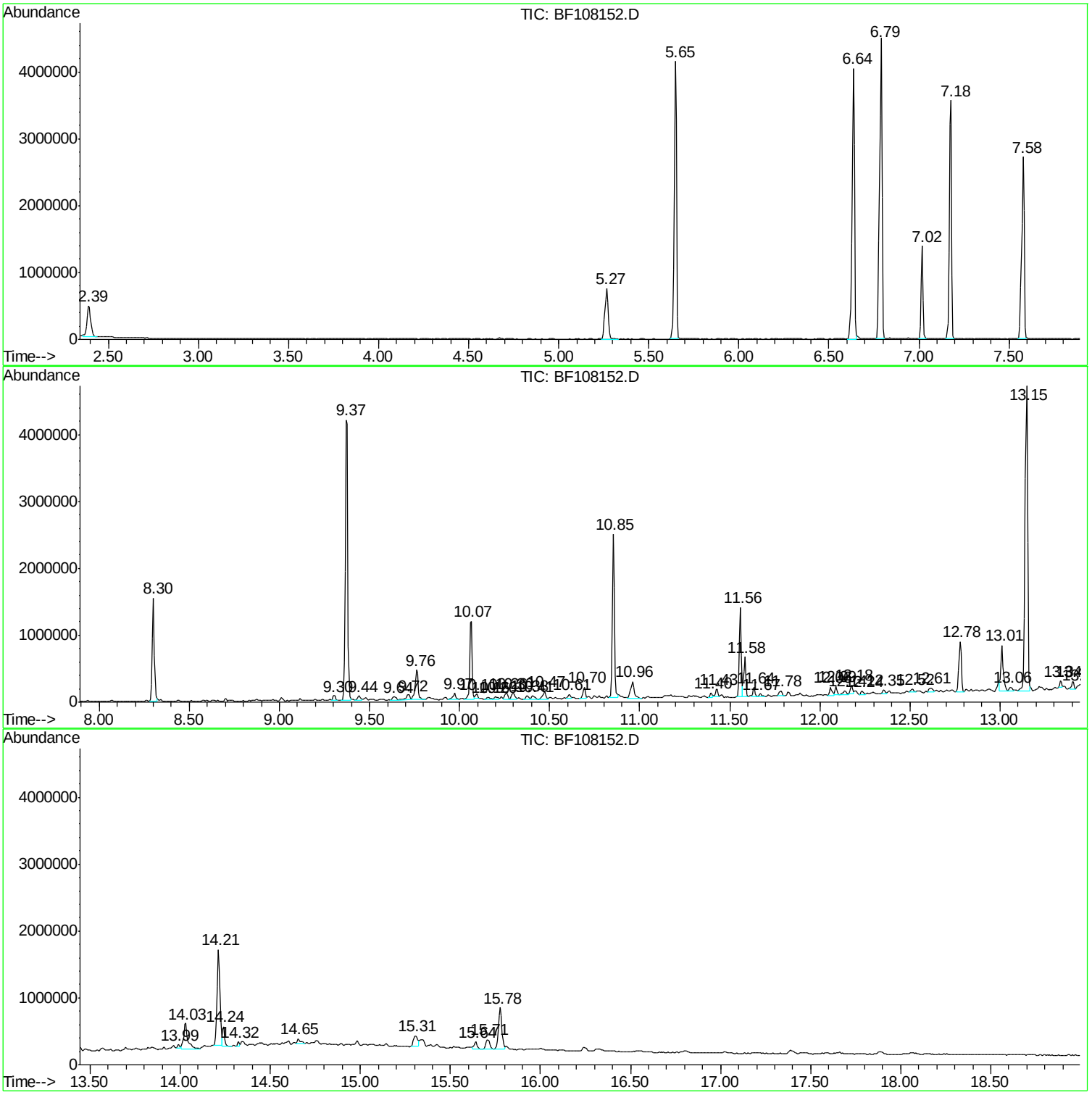
Instrument :
BNA_F
ClientSampleId :
RA-081018-FL-011

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

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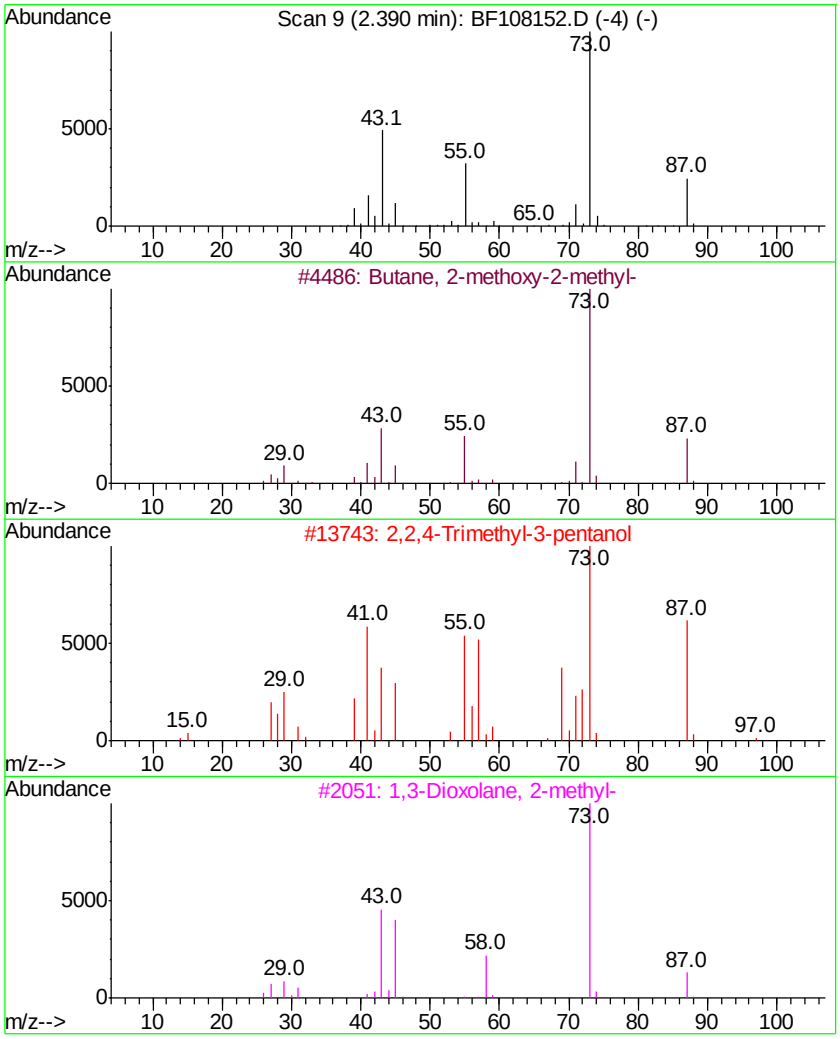
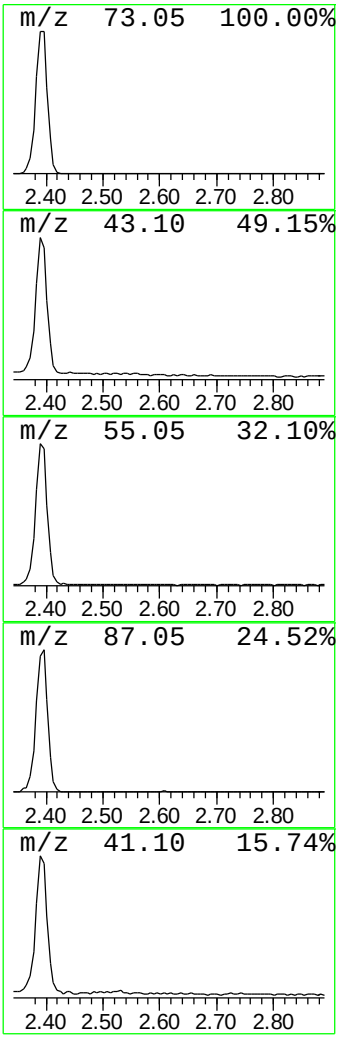
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.39	12.11 ng	668077	1,4-Dichlorobenzene-d4	7.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5	Borane, dimethoxy-	74	C2H7BO2	004542-61-4	9





Library Search Compound Report

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Data File : BF108152.D
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Operator : JU/SJ
Sample : J4460-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081018-FL-011

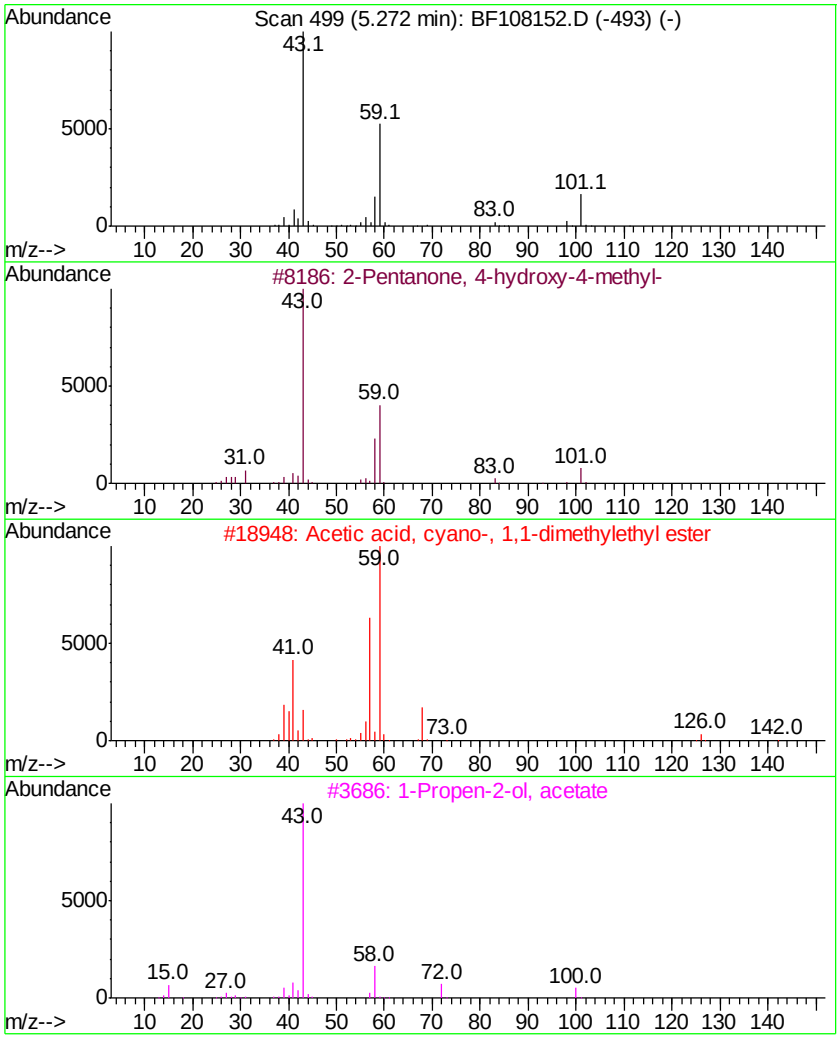
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

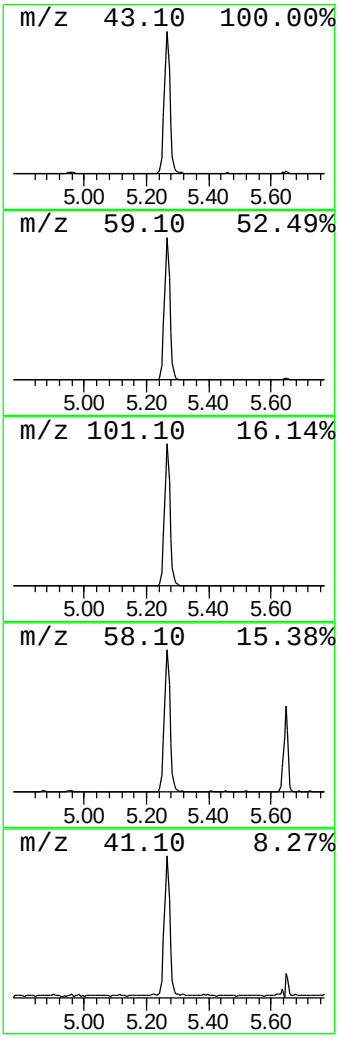
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.27	17.10 ng	942869	1,4-Dichlorobenzene-d4	7.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	9





Library Search Compound Report

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ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081018-FL-011

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
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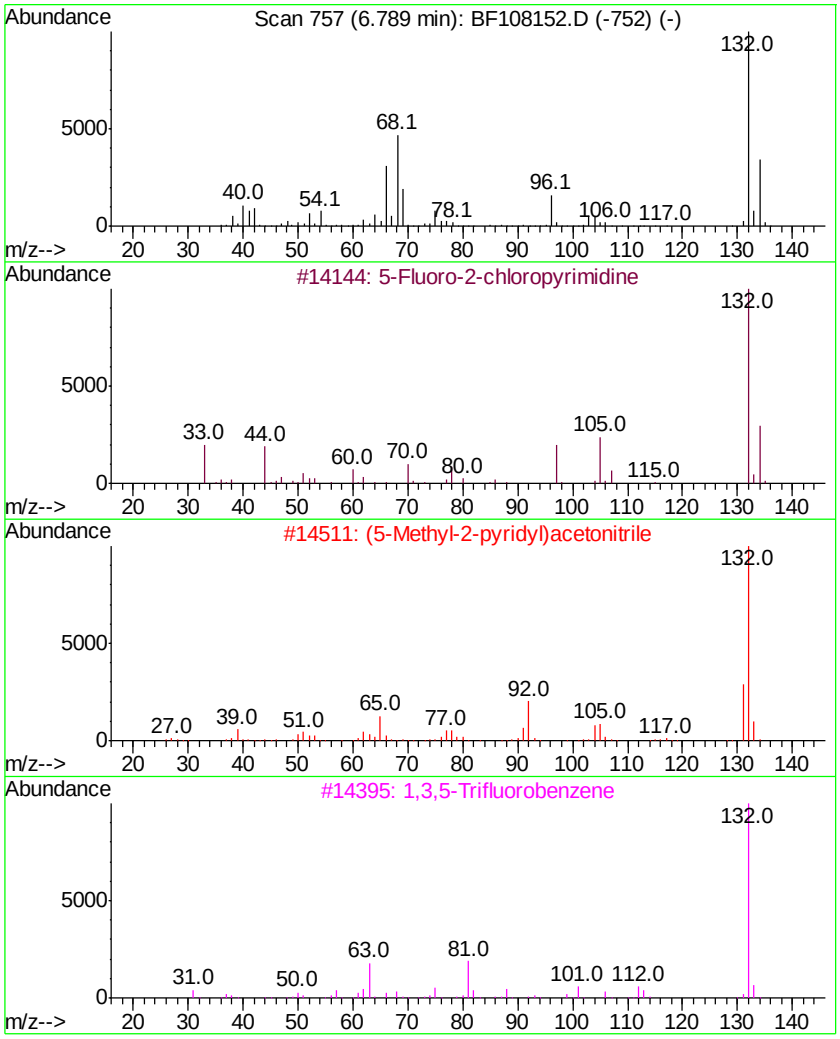
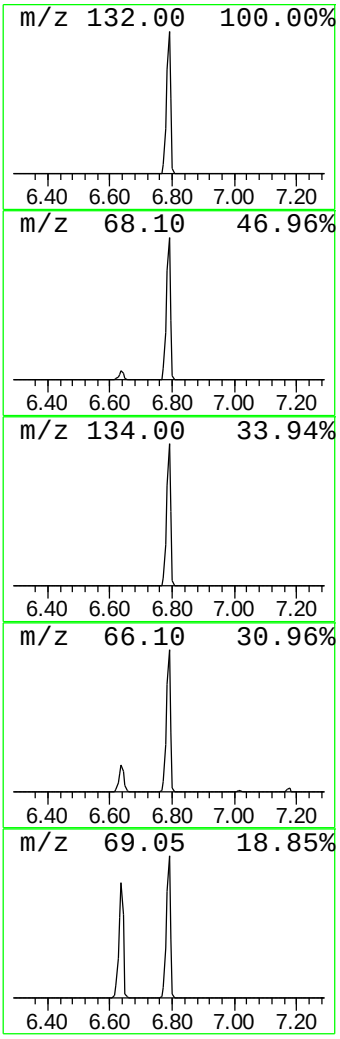
****

Peak Number 3 unknown6.79 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.79	76.15 ng	4199770	1,4-Dichlorobenzene-d4	7.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
2	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	10
3	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
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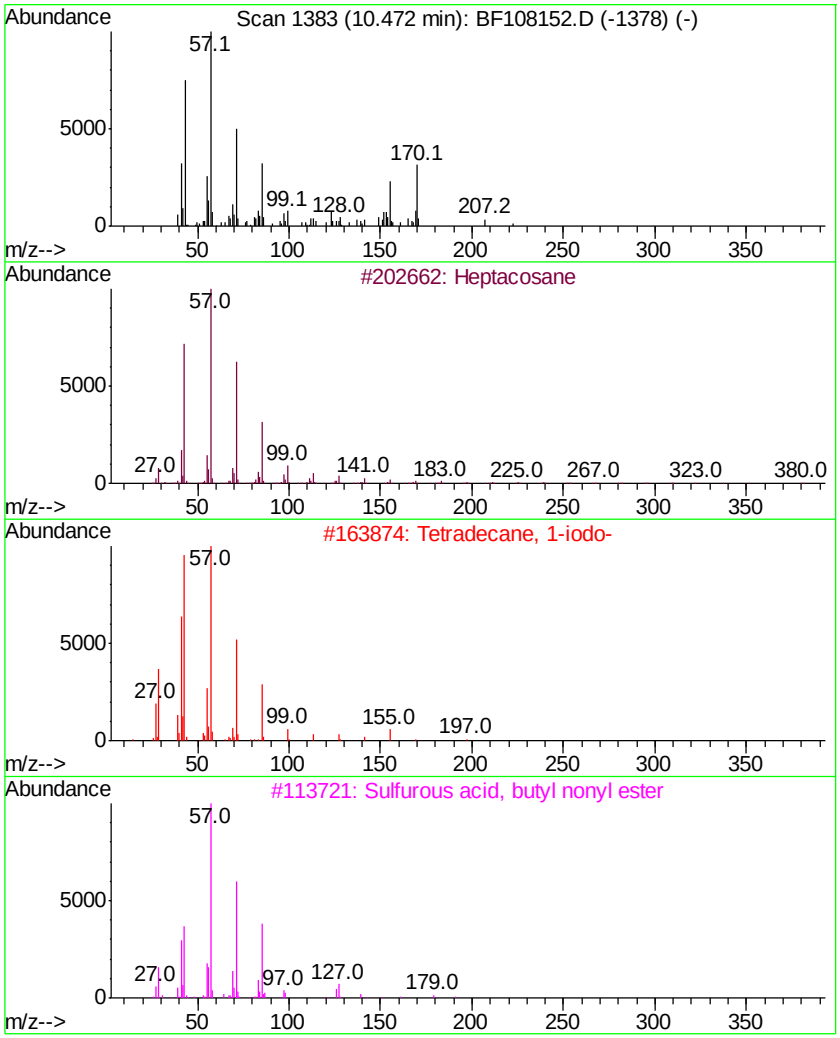
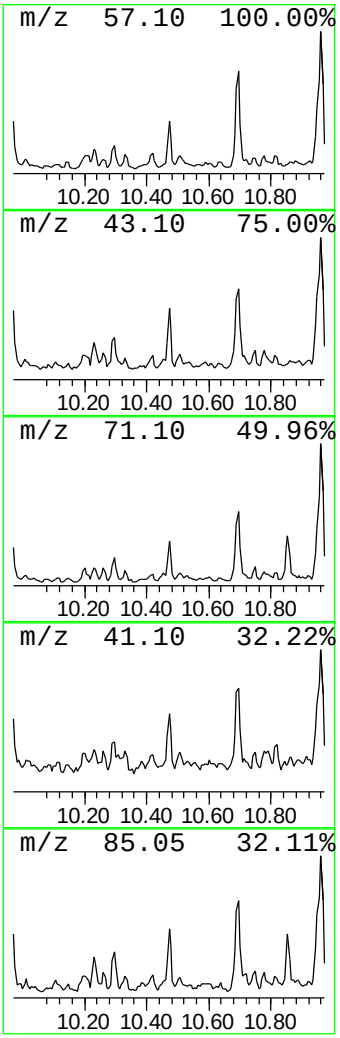
****

Peak Number 5 unknown10.47 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.47	2.29 ng	132790	Acenaphthene-d10	10.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	49
2	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	47
3	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	46
4	Hexadecane	226	C16H34	000544-76-3	46
5	Octacosane	394	C28H58	000630-02-4	43





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Instrument : BNA_F
ClientSampleId : RA-081018-FL-011

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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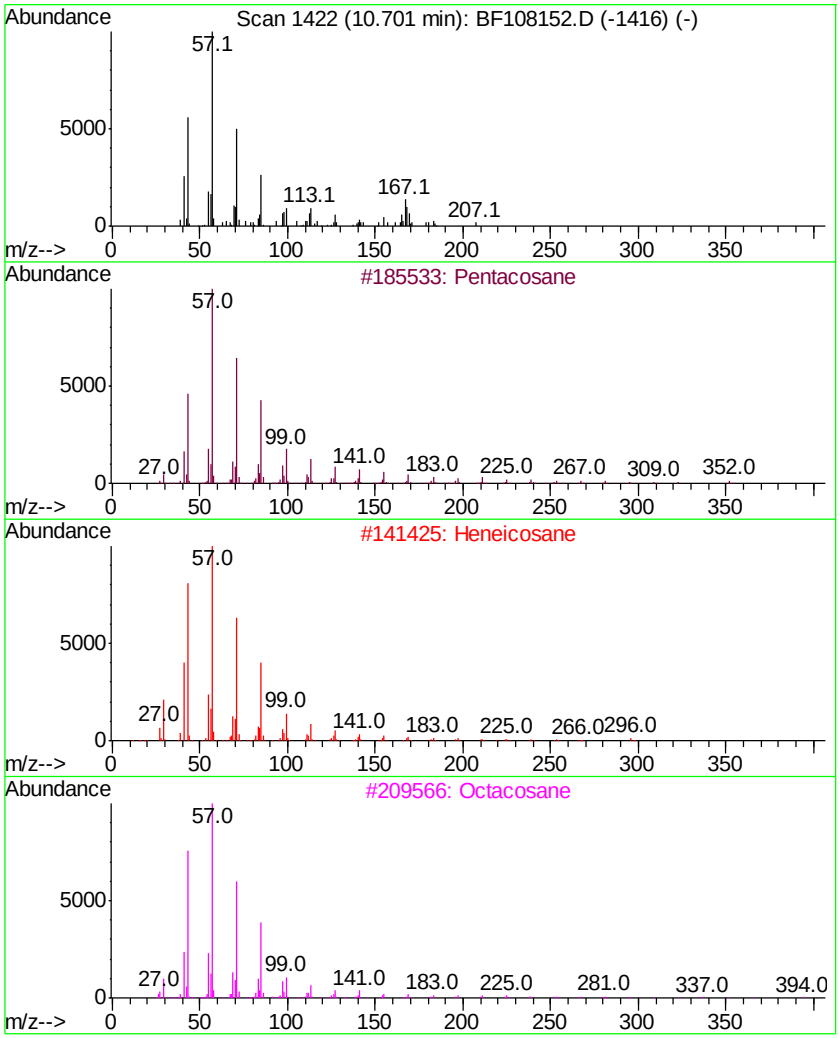
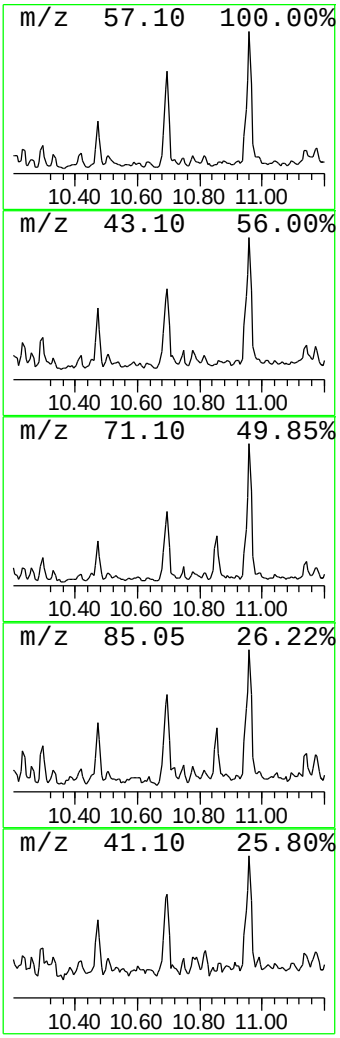
****

Peak Number 6 Pentacosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.70	3.00 ng	174168	Acenaphthene-d10	10.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentacosane	352	C25H52	000629-99-2	80
2	Heneicosane	296	C21H44	000629-94-7	72
3	Octacosane	394	C28H58	000630-02-4	72
4	Z-2-Tridecen-1-ol	198	C13H26O	1000130-75-8	70
5	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	70





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

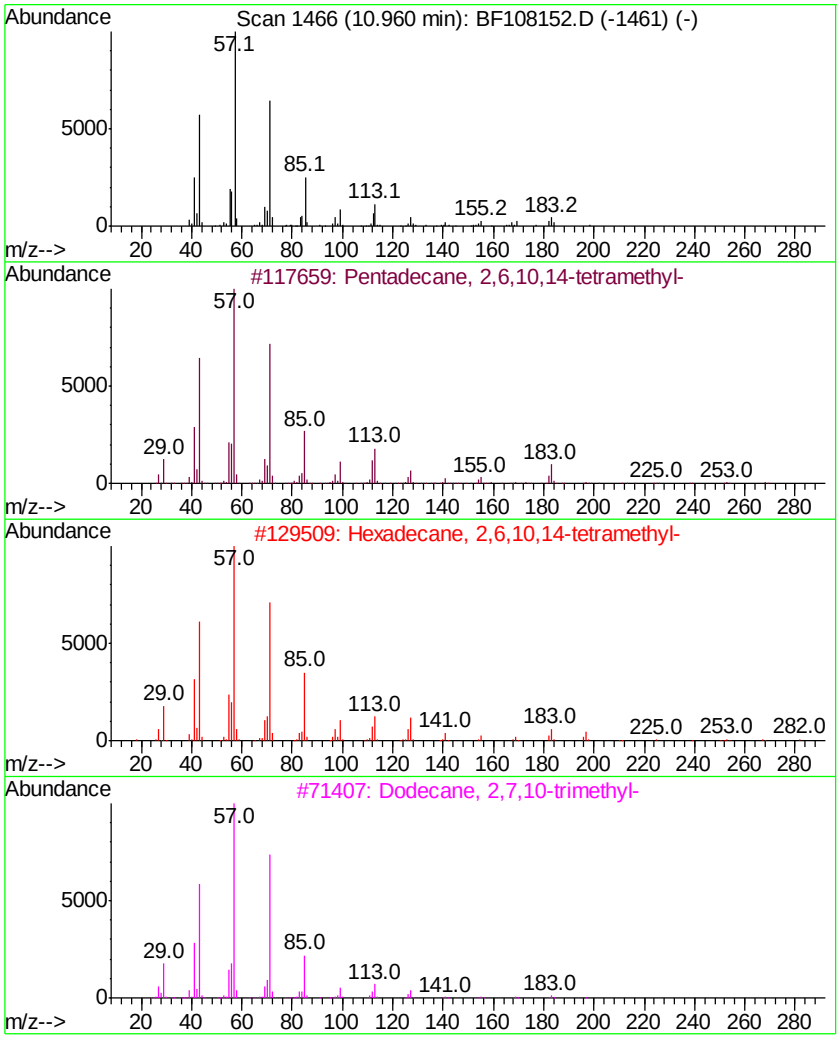
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

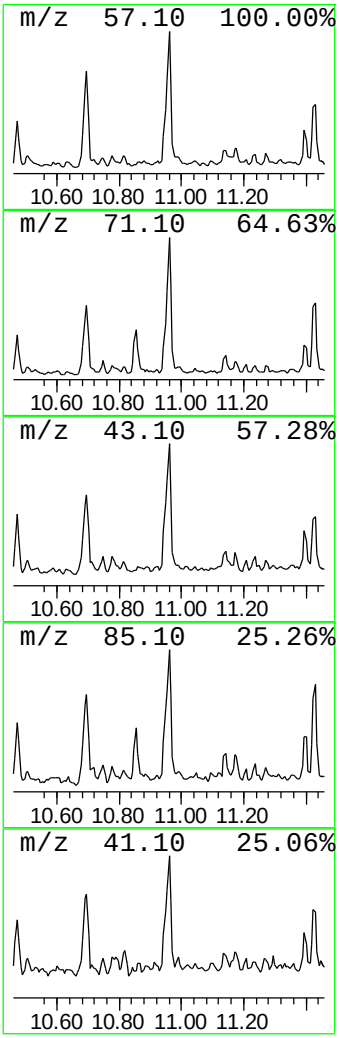
****

Peak Number 7 Pentadecane, 2,6,10,14-tetr... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.96	5.85 ng	333801	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	86
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	80
3	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
4	Tridecane	184	C13H28	000629-50-5	74
5	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	72





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ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081018-FL-011

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

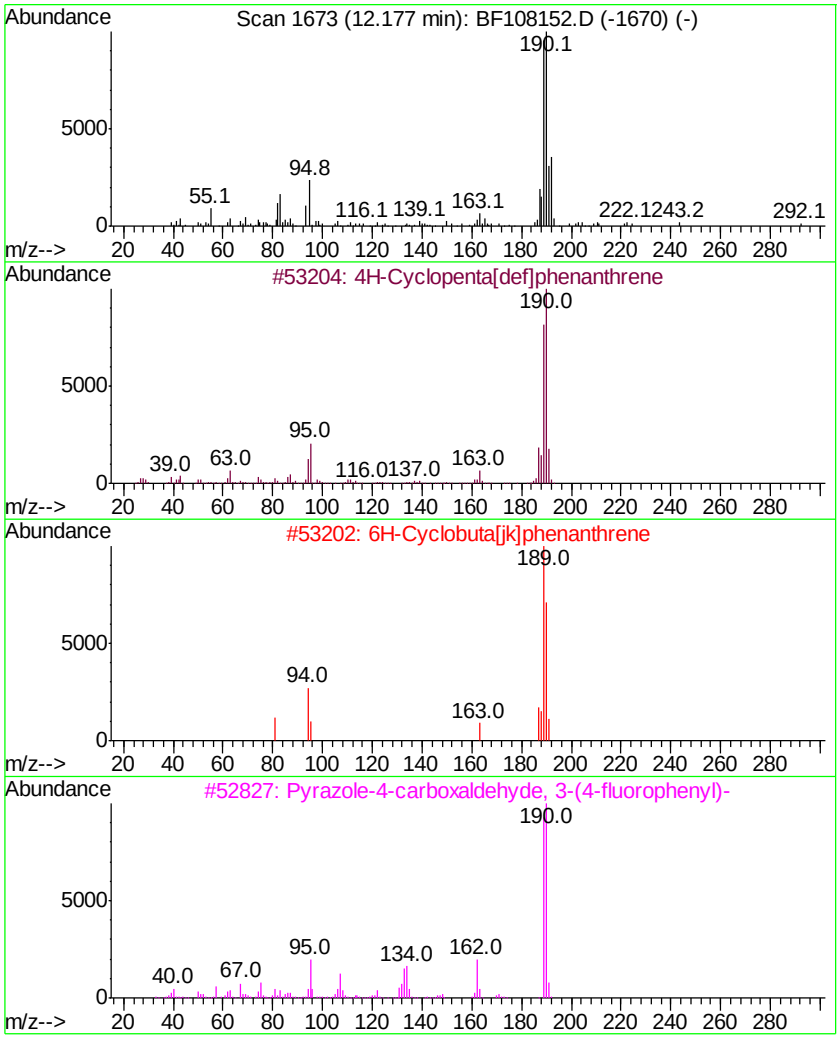
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

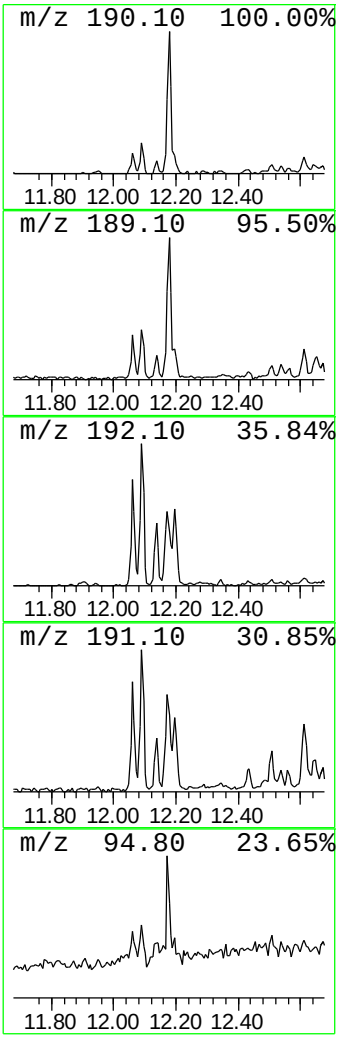
****

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	2.21 ng	126379	Phenanthrene-d10	11.56

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	53
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	50
5	4-(4-Chlorophenyl)pyridine	189	C11H8ClN	005957-96-0	35





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Data File : BF108152.D
Acq On : 14 Aug 2018 18:34
Operator : JU/SJ
Sample : J4460-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081018-FL-011

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

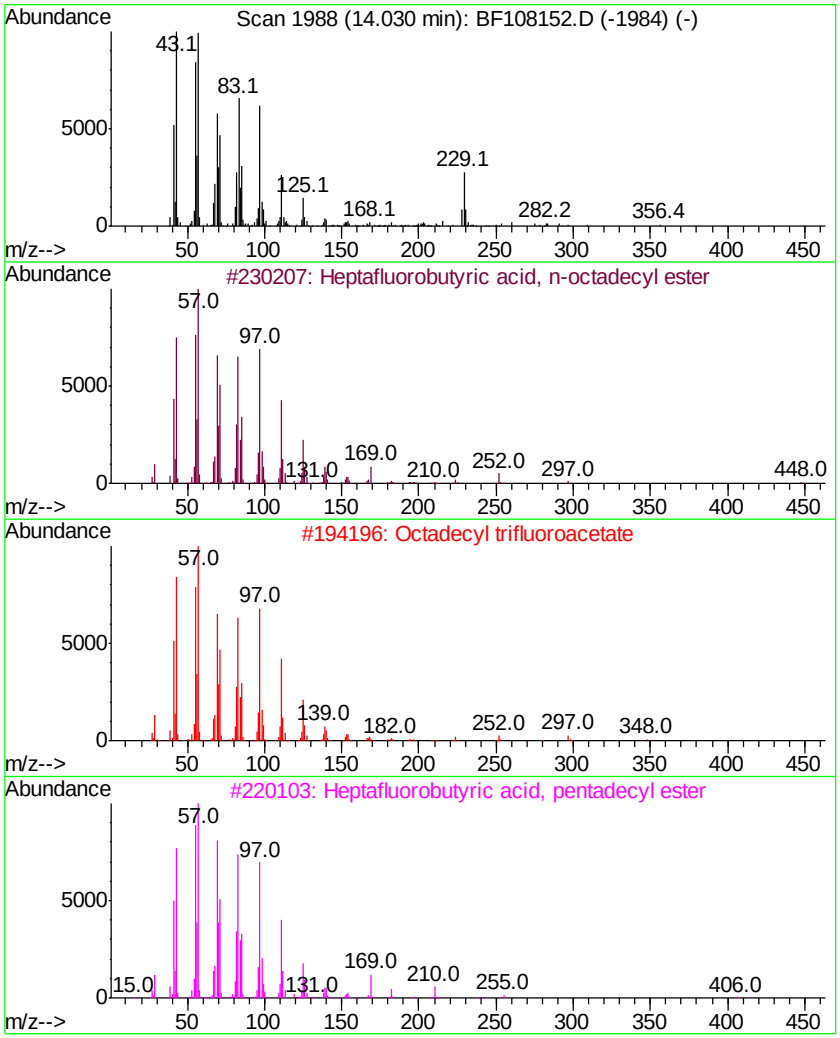
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

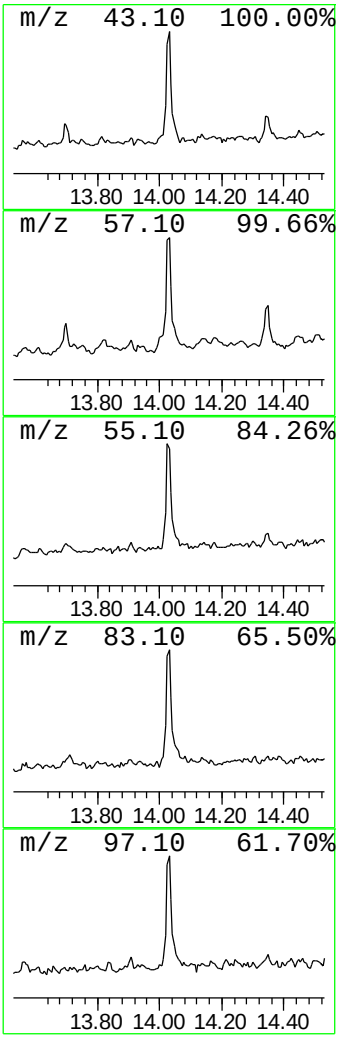
****

Peak Number 9 Heptafluorobutyric acid, n-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.03	7.37 ng	584572	Chrysene-d12	14.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	87
2	Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	87
3	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	87
4	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	87
5	Heptadecyl trifluoroacetate	352	C19H35F3O2	1000351-87-0	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081418\
Data File : BF108152.D
Acq On : 14 Aug 2018 18:34
Operator : JU/SJ
Sample : J4460-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081018-FL-011

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

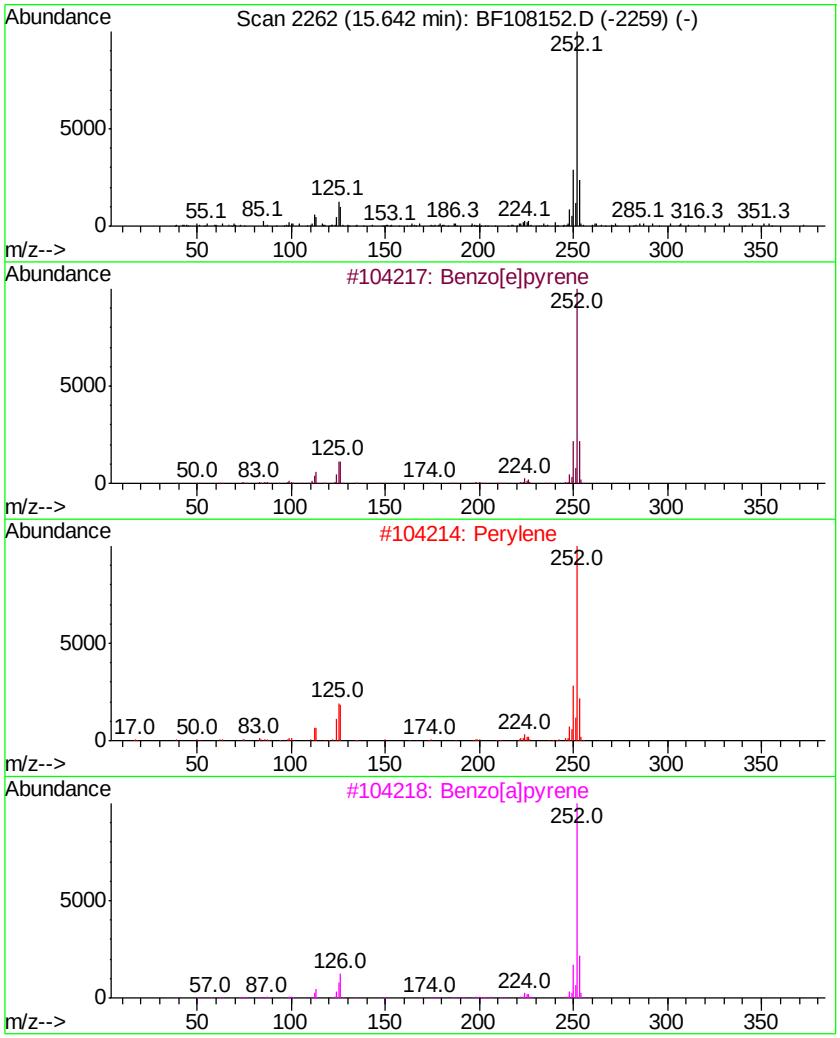
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

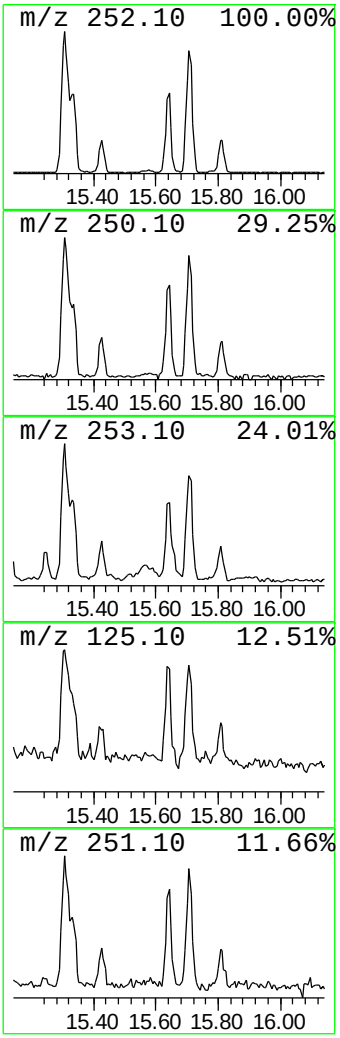
****

Peak Number 10 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.64	3.28 ng	138906	Perylene-d12	15.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	91
2	Perylene	252	C20H12	000198-55-0	90
3	Benzo[a]pyrene	252	C20H12	000050-32-8	89
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081418\
Data File : BF108152.D
Acq On : 14 Aug 2018 18:34
Operator : JU/SJ
Sample : J4460-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RA-081018-FL-011

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.39	12.1	ng	668077	1	7.02	1103070	20.0
2-Pentanone, 4-hy...	5.27	17.1	ng	942869	1	7.02	1103070	20.0
unknown6.79	6.79	76.2	ng	4199770	1	7.02	1103070	20.0
unknown10.47	10.47	2.3	ng	132790	3	10.06	1162200	20.0
Pentacosane	10.70	3.0	ng	174168	3	10.06	1162200	20.0
Pentadecane, 2,6,...	10.96	5.8	ng	333801	4	11.56	1141830	20.0
4H-Cyclopenta[def...	12.18	2.2	ng	126379	4	11.56	1141830	20.0
Heptafluorobutyri...	14.03	7.4	ng	584572	5	14.21	1586570	20.0
Benzo[e]pyrene	15.64	3.3	ng	138906	6	15.78	847614	20.0