LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113565.D
Acq On : 4 Apr 2019 1:48
Operator : JU/SJ
Sample : K2197-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-040219-A

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-BF040319.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	5.293	542	545	566	rBV	1123952	1244897	86.14%	6.950%
2	6.328	718	721	739	rBV	1315742	1397788	96.72%	7.803%
3	6.457	739	743	751	rVV	1426887	1307957	90.51%	7.302%
4	6.687	778	782	791	rBV	799524	768233	53.16%	4.289%
5	6.840	804	808	825	rBV	1239698	1060463	73.38%	5.920%
6	7.245	874	877	884	rBV	832312	748537	51.80%	4.179%
7	7.969	996	1000	1007	rBV	998491	935437	64.73%	5.222%
8	8.686	1119	1122	1129	rVB	16923	18358	1.27%	0.102%
9	8.781	1134	1138	1143	rBV	30003	29303	2.03%	0.164%
10	9.045	1179	1183	1194	rBV	1744565	1445167	100.00%	8.068%
11	9.133	1194	1198	1202	rBV3	12911	17529	1.21%	0.098%
12	9.316	1223	1229	1233	rBV	22504	30284	2.10%	0.169%
13	9.386	1237	1241	1243	rVV	37860	40876	2.83%	0.228%
14	9.439	1247	1250	1255	rVV	108529	115076	7.96%	0.642%
15	9.498	1258	1260	1266	rVB	18808	23994	1.66%	0.134%
16	9.581	1272	1274	1280	rBV	33157	33252	2.30%	0.186%
17	9.722	1292	1298	1301	rBV	1086698	901166	62.36%	5.031%
18	9.751	1301	1303	1308	rVB	51054	51444	3.56%	0.287%
19	9.928	1329	1333	1337	rBV	45159	42828	2.96%	0.239%
20	10.039	1347	1352	1355	rBV2	21284	25085	1.74%	0.140%
21	10.133	1363	1368	1369	rBV2	16185	20326	1.41%	0.113%
22	10.269	1388	1391	1396	rVB	69886	68253	4.72%	0.381%
23	10.428	1415	1418	1422	rVB3	16295	17574	1.22%	0.098%
24	10.510	1429	1432	1445	rVB	626495	618531	42.80%	3.453%
25	10.633	1451	1453	1460	rVB5	28956	42381	2.93%	0.237%
26	10.816	1480	1484	1487	rBV2	24648	34665	2.40%	0.194%
27	11.104	1531	1533	1538	rVB2	39141	48080	3.33%	0.268%
28	11.204	1546	1550	1552	rBV	1046178	868142	60.07%	4.847%
29	11.227	1552	1554	1558	rVV	390059	311387	21.55%	1.738%
30	11.280	1558	1563	1567	rVB	146975	134505	9.31%	0.751%
31	11.322	1567	1570	1573	rBV2	19644	21038	1.46%	0.117%
32	11.439	1587	1590	1594	rBV	35295	44578	3.08%	0.249%
33	11.533	1603	1606	1612	rVB	21862	32450	2.25%	0.181%
34	11.622	1616	1621	1624	rVB	16920	23926	1.66%	0.134%

LSC Area Percent Report

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Data File : BF113565.D
Acq On : 4 Apr 2019 1:48
Operator : JU/SJ
Sample : K2197-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-040219-A

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-BF040319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.704	1632	1635	1638	rBV	72333	75402	5.22%	0.421%
36	11.733	1638	1640	1646	rVV	78044	92359	6.39%	0.516%
37	11.780	1646	1648	1651	rVV	27610	28201	1.95%	0.157%
38	11.816	1651	1654	1657	rVV	118003	122391	8.47%	0.683%
39	11.839	1657	1658	1664	rVB	62914	47340	3.28%	0.264%
40	11.916	1668	1671	1673	rVB3	18695	18435	1.28%	0.103%
41	11.939	1673	1675	1679	rBV	22351	21131	1.46%	0.118%
42	11.998	1683	1685	1688	rBV	34823	36606	2.53%	0.204%
43	12.133	1705	1708	1709	rBV2	20631	22739	1.57%	0.127%
44	12.180	1714	1716	1719	rBV	37042	40607	2.81%	0.227%
45	12.257	1725	1729	1731	rBV	87455	92843	6.42%	0.518%
46	12.298	1731	1736	1741	rVV5	65793	139419	9.65%	0.778%
47	12.345	1741	1744	1747	rVB3	27385	37175	2.57%	0.208%
48	12.416	1752	1756	1759	rBV	382057	332480	23.01%	1.856%
49	12.457	1760	1763	1765	rBV3	27684	33170	2.30%	0.185%
50	12.645	1789	1795	1797	rBV	331716	369910	25.60%	2.065%
51	12.669	1797	1799	1802	rVV2	59734	54056	3.74%	0.302%
52	12.704	1802	1805	1808	rVB3	40025	46112	3.19%	0.257%
53	12.786	1815	1819	1822	rBV	1570613	1327316	91.85%	7.410%
54	12.969	1848	1850	1854	rVB	75727	86771	6.00%	0.484%
55	13.039	1857	1862	1865	rVV2	66645	98247	6.80%	0.548%
56	13.074	1866	1868	1874	rVB2	53234	67225	4.65%	0.375%
57	13.169	1882	1884	1887	rVB	40326	27475	1.90%	0.153%
58	13.198	1887	1889	1892	rBV	37467	36168	2.50%	0.202%
59	13.698	1971	1974	1976	rBV	62275	64175	4.44%	0.358%
60	13.839	1994	1998	2001	rBV2	919253	942249	65.20%	5.260%
61	14.315	2077	2079	2082	rVB	93048	72175	4.99%	0.403%
62	14.610	2127	2129	2133	rBV2	132015	111025	7.68%	0.620%
63	14.921	2180	2182	2186	rVB	161876	161725	11.19%	0.903%
64	15.251	2235	2238	2248	rVB2	479144	783994	54.25%	4.377%

Sum of corrected areas: 17912431

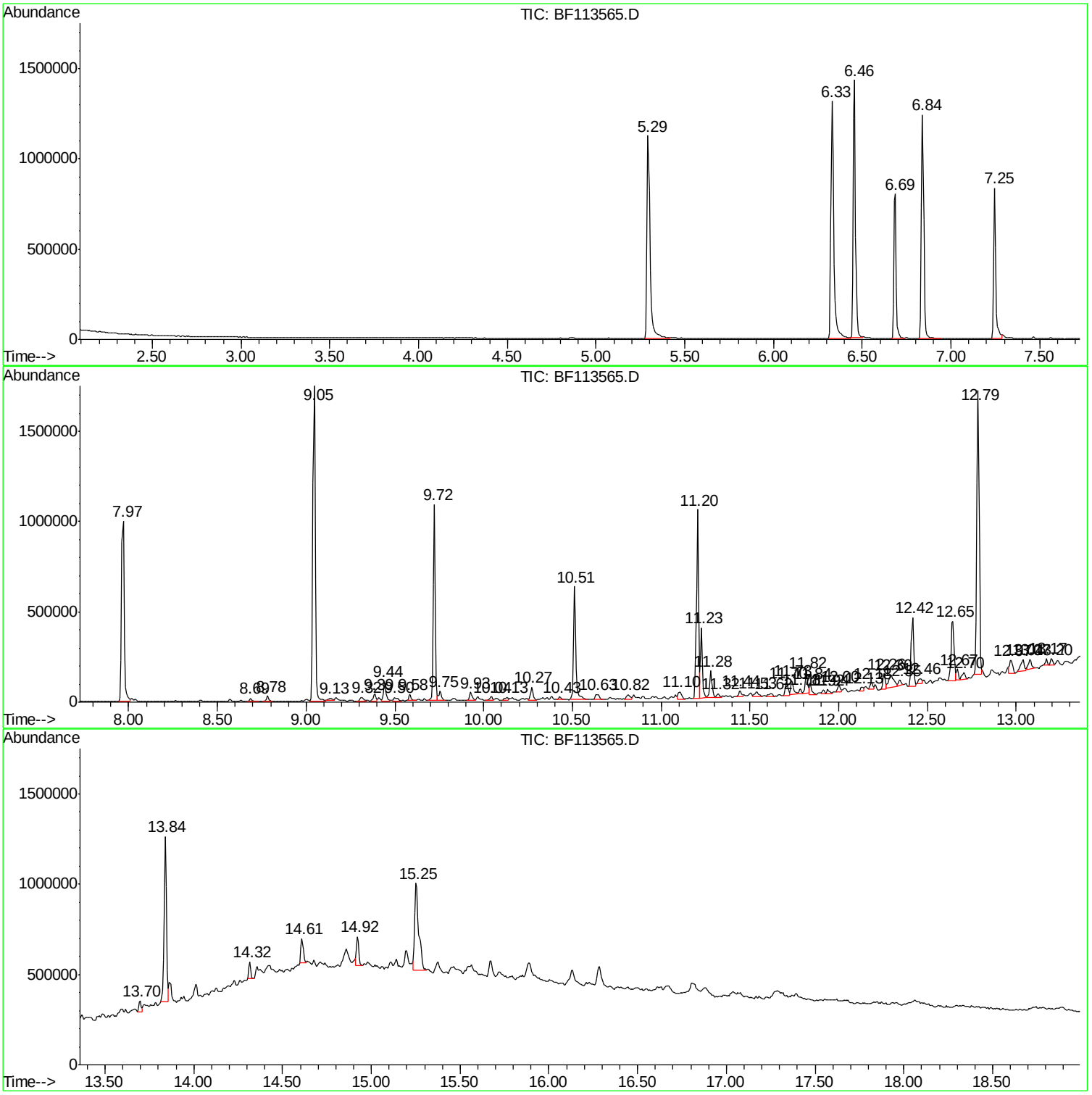
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113565.D
Acq On : 4 Apr 2019 1:48
Operator : JU/SJ
Sample : K2197-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-040219-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113565.D
Acq On : 4 Apr 2019 1:48
Operator : JU/SJ
Sample : K2197-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-040219-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

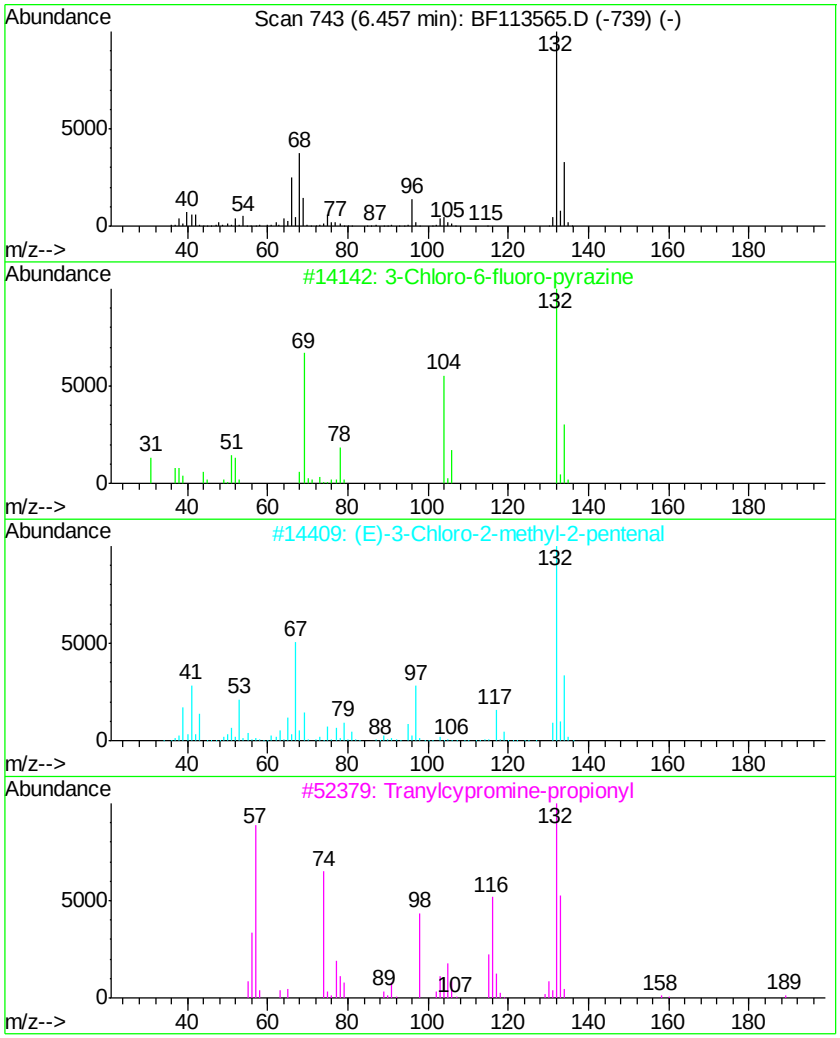
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

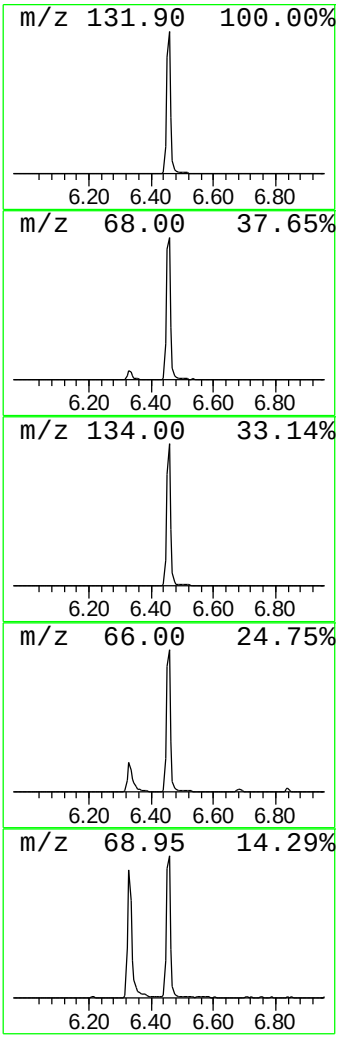
****

Peak Number 1 unknown6.46 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.46	34.05 ng	1307960	1,4-Dichlorobenzene-d4	6.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113565.D
Acq On : 4 Apr 2019 1:48
Operator : JU/SJ
Sample : K2197-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-040219-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

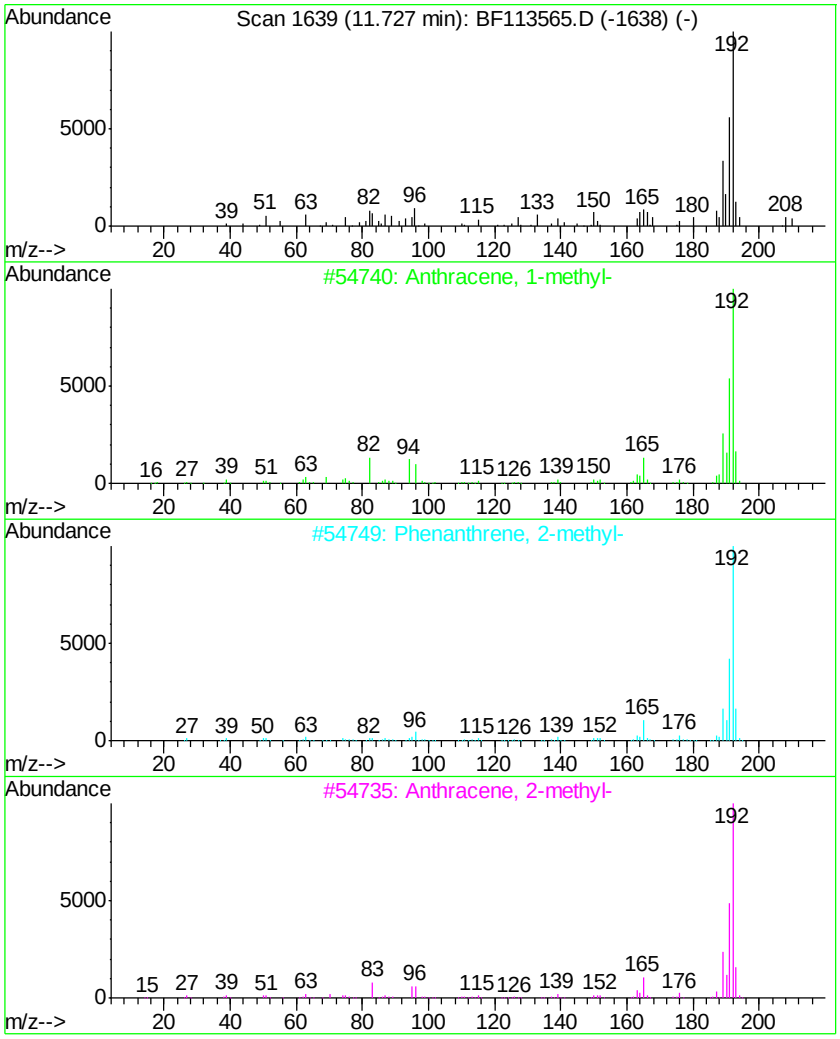
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

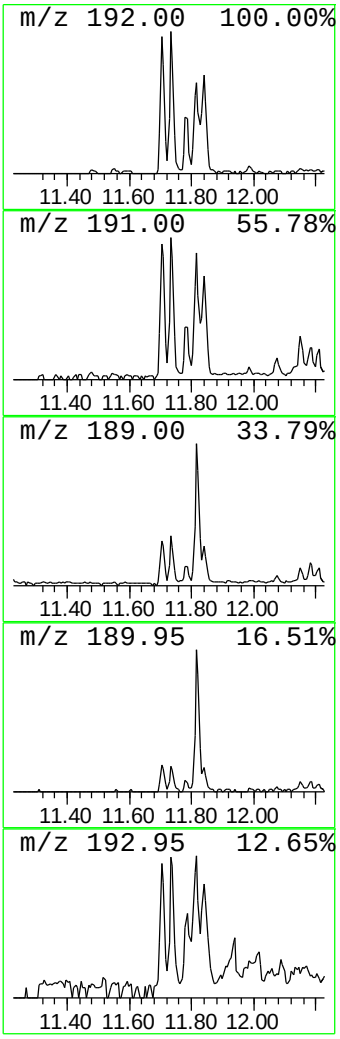
****

Peak Number 3 Anthracene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	2.13 ng	92359	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113565.D
Acq On : 4 Apr 2019 1:48
Operator : JU/SJ
Sample : K2197-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-040219-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

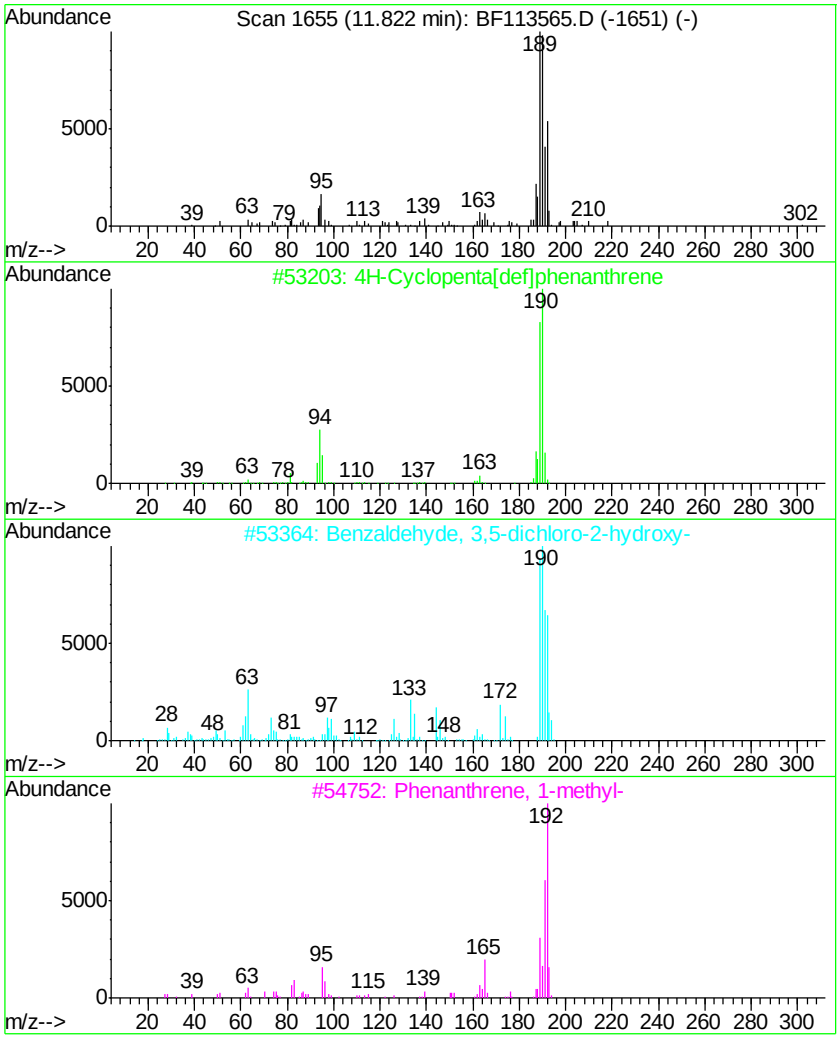
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

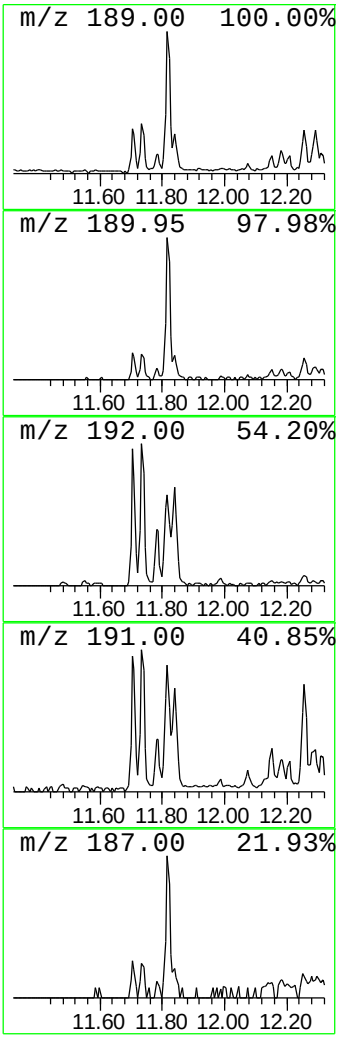
****

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	2.82 ng	122391	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	38
4	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	35
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	35





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113565.D
Acq On : 4 Apr 2019 1:48
Operator : JU/SJ
Sample : K2197-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-040219-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

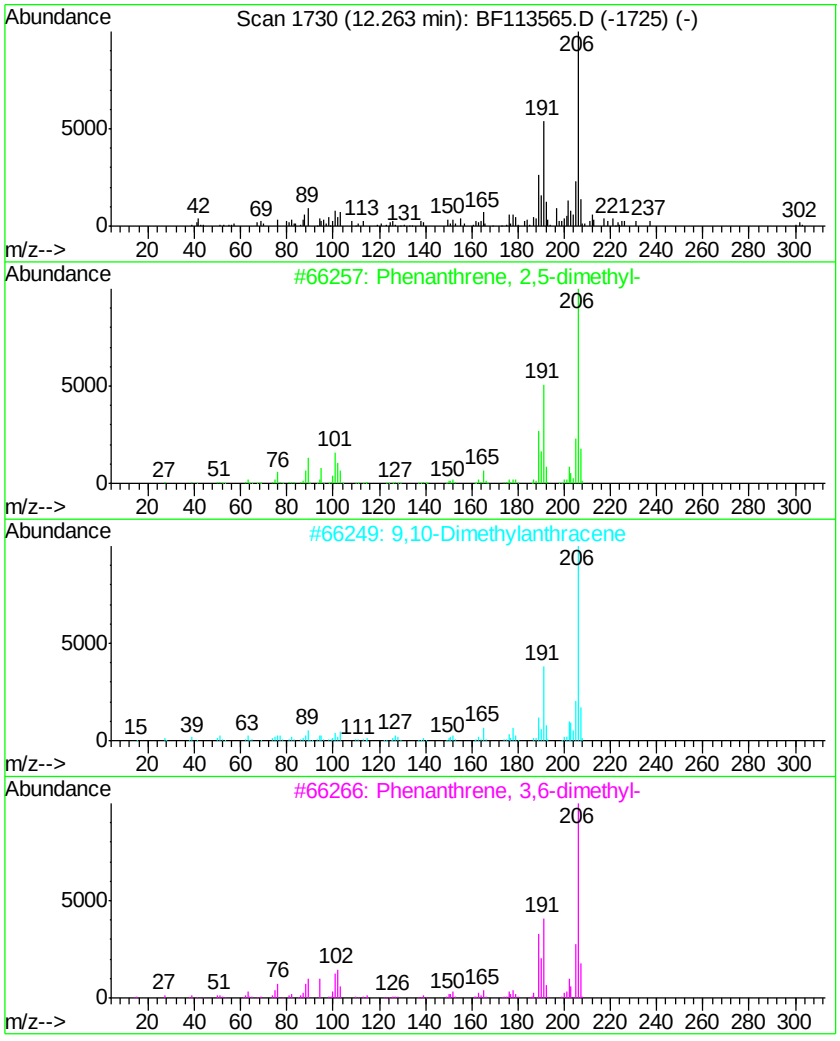
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

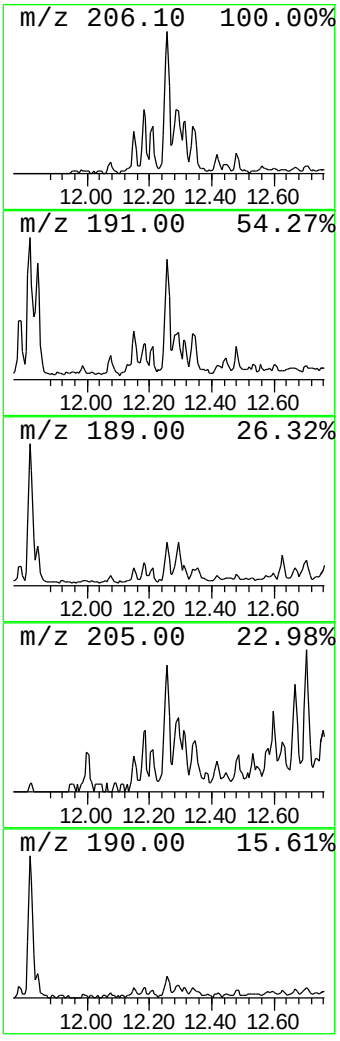
****

Peak Number 5 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	2.14 ng	92843	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113565.D
Acq On : 4 Apr 2019 1:48
Operator : JU/SJ
Sample : K2197-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-040219-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

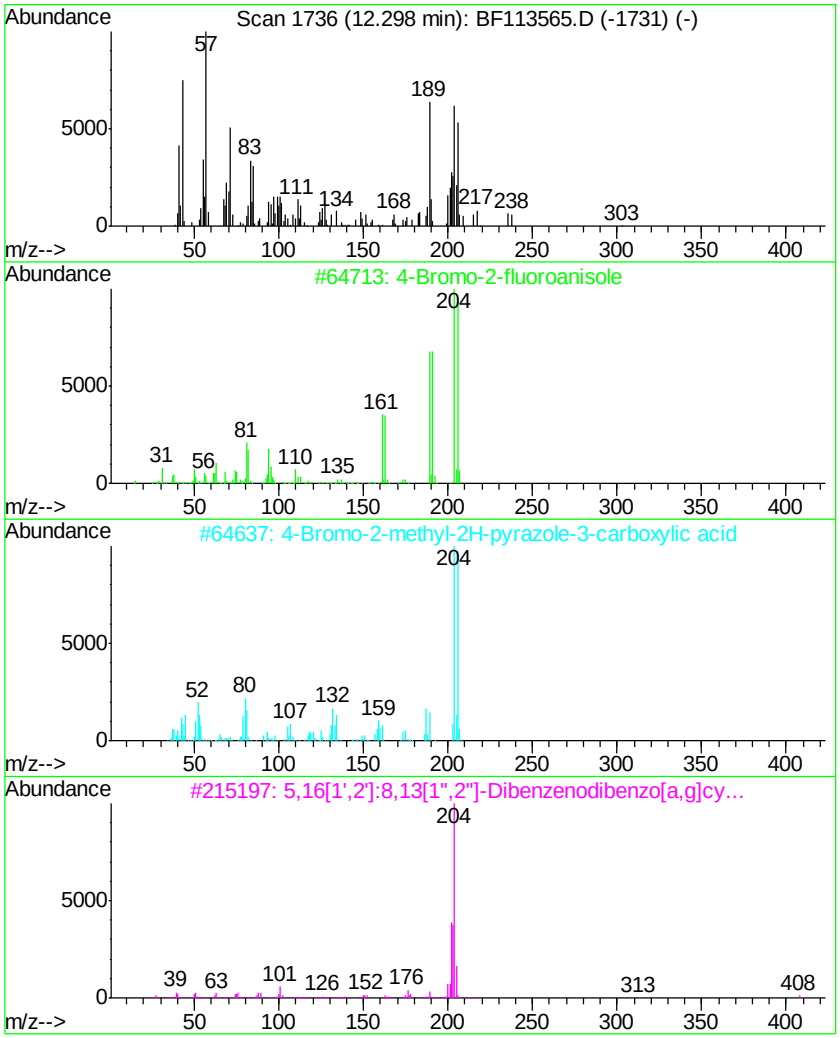
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

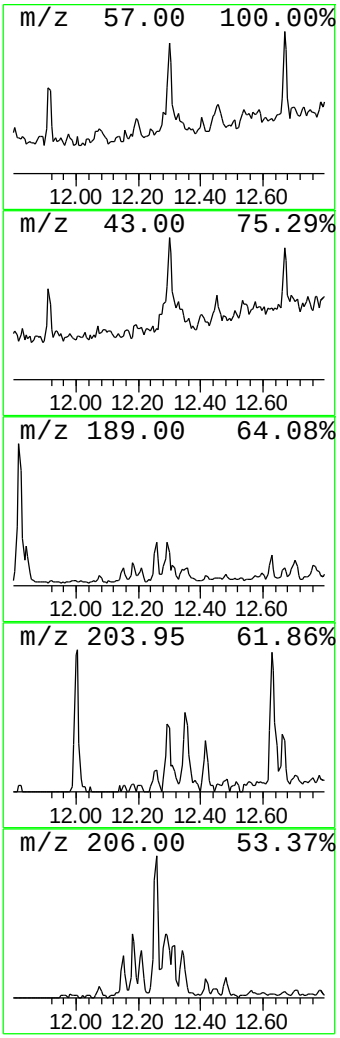
****

Peak Number 6 unknown12.30 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	3.21 ng	139419	Phenanthrene-d10	11.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Bromo-2-fluoroanisole	204	C7H6BrFO	002357-52-0	25
2	4-Bromo-2-methyl-2H-pyrazole-3-c...	204	C5H5BrN2O2	1000300-50-8	22
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	22
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	18
5	4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	18





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113565.D
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Sample : K2197-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-040219-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

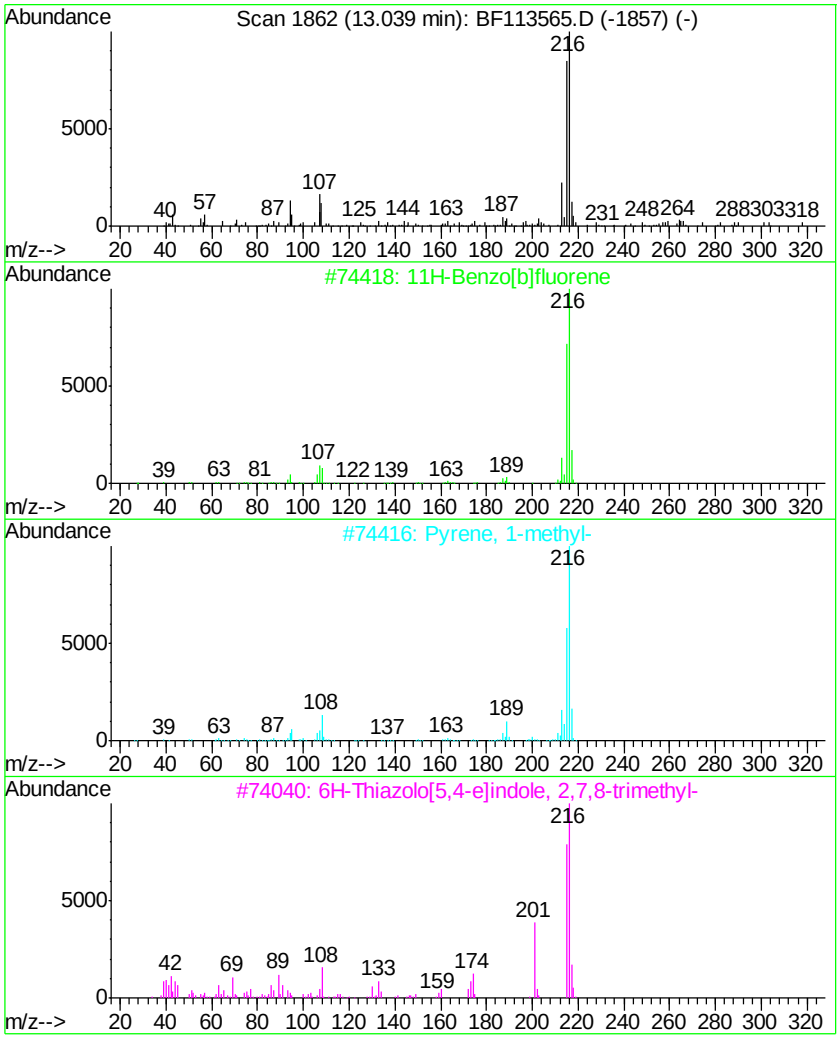
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

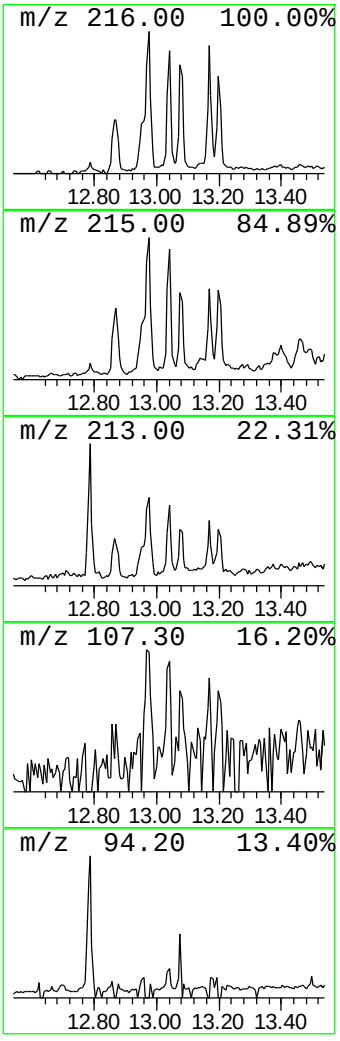
****

Peak Number 7 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	2.09 ng	98247	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	74
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	72
3	6H-Thiazolo[5,4-e]indole, 2,7,8-...	216	C12H12N2S	1000338-32-0	64
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	53
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	52





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113565.D
Acq On : 4 Apr 2019 1:48
Operator : JU/SJ
Sample : K2197-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-040219-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

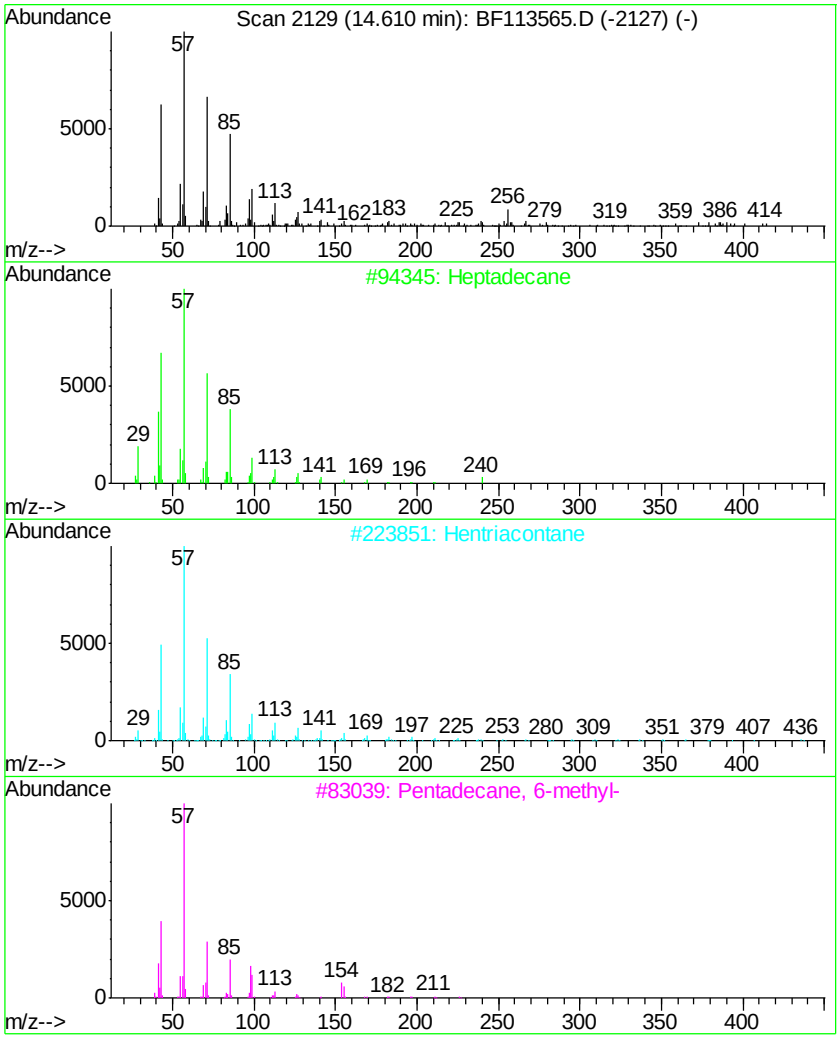
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

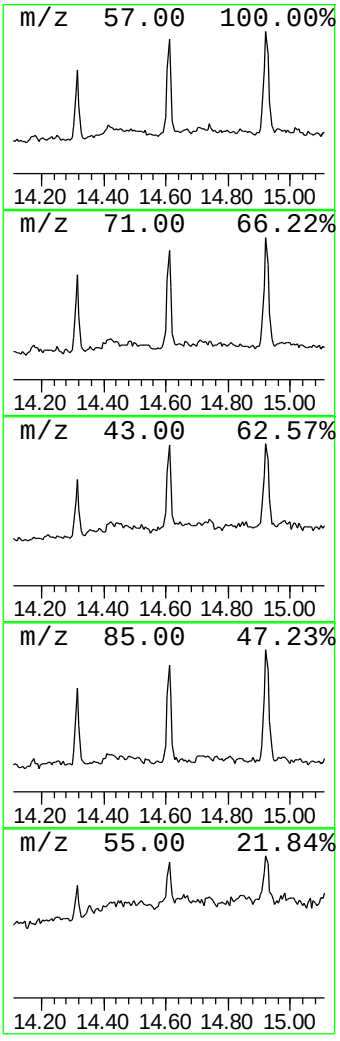
****

Peak Number 8 Heptadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.61	2.83 ng	111025	Perylene-d12	15.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	91
2	Hentriacontane	437	C31H64	000630-04-6	86
3	Pentadecane, 6-methyl-	226	C16H34	010105-38-1	83
4	2-Bromo dodecane	248	C12H25Br	013187-99-0	81
5	Heptadecane, 3-methyl-	254	C18H38	006418-44-6	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113565.D
Acq On : 4 Apr 2019 1:48
Operator : JU/SJ
Sample : K2197-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-040219-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

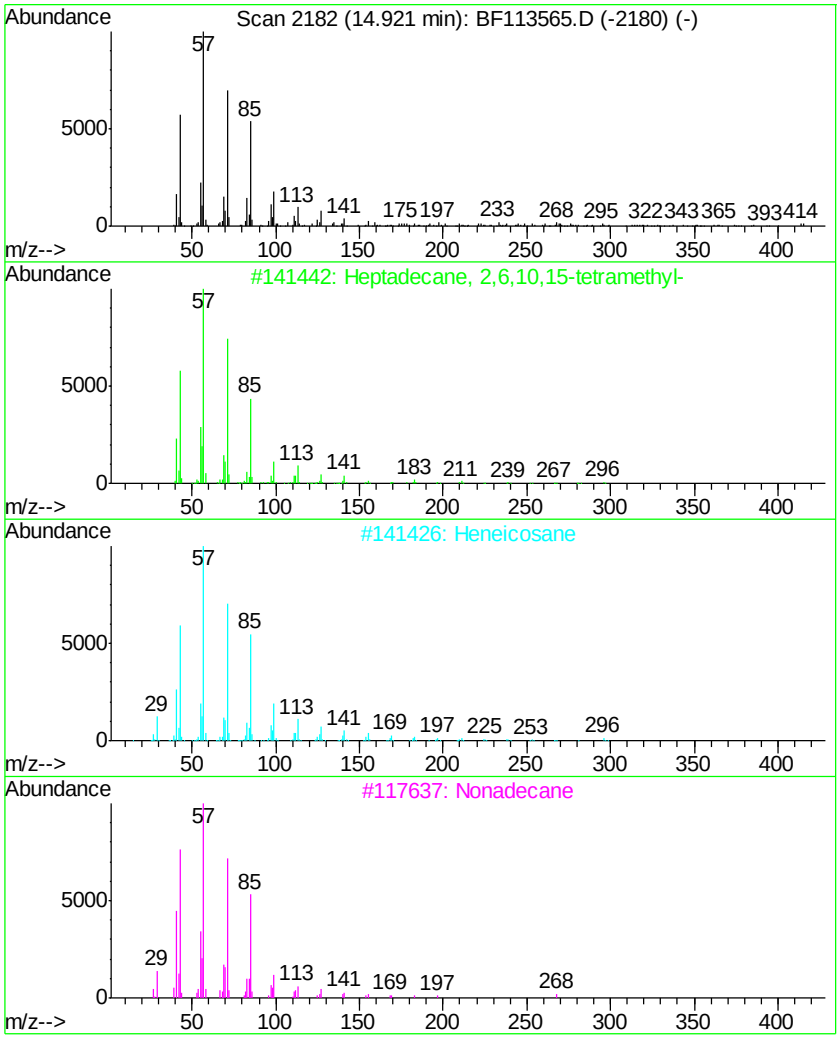
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

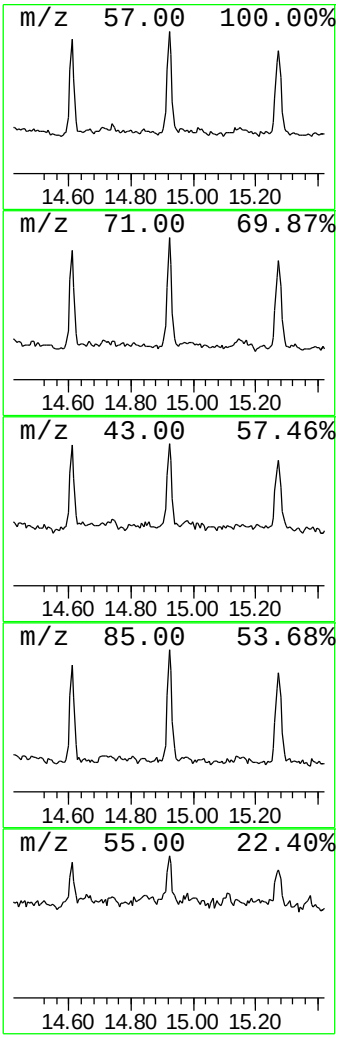
****

Peak Number 9 Heptadecane, 2,6,10,15-tetr... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.92	4.13 ng	161725	Perylene-d12	15.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	90
2	Heneicosane	296	C21H44	000629-94-7	90
3	Nonadecane	268	C19H40	000629-92-5	86
4	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	80
5	Sulfurous acid, butyl decyl ester	278	C14H30O3S	1000309-17-7	80





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040319\
Data File : BF113565.D
Acq On : 4 Apr 2019 1:48
Operator : JU/SJ
Sample : K2197-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-040219-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF040319.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
unknown6.46	6.46	34.0	ng	1307960	1	6.69	768233	20.0
Anthracene, 1-met...	11.73	2.1	ng	92359	4	11.20	868142	20.0
4H-Cyclopenta[def...	11.82	2.8	ng	122391	4	11.20	868142	20.0
Phenanthrene, 2,5...	12.26	2.1	ng	92843	4	11.20	868142	20.0
unknown12.30	12.30	3.2	ng	139419	4	11.20	868142	20.0
11H-Benzo[b]fluorene	13.04	2.1	ng	98247	5	13.84	942249	20.0
Heptadecane	14.61	2.8	ng	111025	6	15.25	783994	20.0
Heptadecane, 2,6,...	14.92	4.1	ng	161725	6	15.25	783994	20.0