LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100318\
Data File : BF109553.D
Acq On : 3 Oct 2018 18:17
Operator : JU/SJ
Sample : J5198-03 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-100218-B

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-BF092218.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	4.887	473	476	484	rBV	26074	32487	4.14%	0.271%
2	5.316	545	549	568	rBV	452902	612975	78.12%	5.109%
3	5.981	660	662	665	rVB	12183	8757	1.12%	0.073%
4	6.345	720	724	742	rBV	527568	733223	93.45%	6.112%
5	6.475	742	746	768	rVB	649408	778686	99.24%	6.491%
6	6.704	782	785	794	rBV	530725	534185	68.08%	4.453%
7	6.857	808	811	828	rBV	624195	590822	75.30%	4.925%
8	7.263	877	880	902	rBV	356101	442774	56.43%	3.691%
9	7.986	999	1003	1022	rBV	641089	699417	89.14%	5.830%
10	8.792	1137	1140	1151	rVB	17067	20046	2.55%	0.167%
11	9.057	1181	1185	1196	rBV	828786	771574	98.34%	6.431%
12	9.151	1197	1201	1204	rVB4	9213	12336	1.57%	0.103%
13	9.322	1227	1230	1233	rBV	12343	14121	1.80%	0.118%
14	9.398	1239	1243	1245	rBV	23724	24379	3.11%	0.203%
15	9.451	1249	1252	1259	rVV	229325	205142	26.15%	1.710%
16	9.510	1259	1262	1267	rVB	13407	16136	2.06%	0.135%
17	9.592	1274	1276	1282	rBV	24273	22485	2.87%	0.187%
18	9.733	1296	1300	1304	rBV	716856	638707	81.40%	5.324%
19	9.763	1304	1305	1316	rVV	60068	55235	7.04%	0.460%
20	9.845	1316	1319	1324	rVB5	5617	9178	1.17%	0.077%
21	9.939	1332	1335	1338	rBV	35155	33873	4.32%	0.282%
22	10.051	1349	1354	1356	rBV4	10737	12620	1.61%	0.105%
23	10.145	1366	1370	1373	rBV2	8085	11959	1.52%	0.100%
24	10.174	1373	1375	1380	rVB2	11003	9743	1.24%	0.081%
25	10.280	1390	1393	1399	rBV	59100	62350	7.95%	0.520%
26	10.345	1399	1404	1405	rVV2	8575	10477	1.34%	0.087%
27	10.392	1409	1412	1415	rVV2	12943	14143	1.80%	0.118%
28	10.439	1417	1420	1424	rVB3	11929	14164	1.81%	0.118%
29	10.516	1430	1433	1448	rVB	376458	416876	53.13%	3.475%
30	10.645	1452	1455	1463	rBV2	20632	27482	3.50%	0.229%
31	10.827	1481	1486	1488	rBV	16546	20091	2.56%	0.167%
32	10.910	1496	1500	1503	rVB	9758	10379	1.32%	0.087%
33	11.063	1523	1526	1529	rBV2	7582	9836	1.25%	0.082%
34	11.092	1529	1531	1532	rVV	16527	13137	1.67%	0.110%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J5198-03 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-100218-B

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-BF092218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.110	1532	1534	1542	rVB2	21111	31829	4.06%	0.265%
36	11.210	1547	1551	1554	rBV	633241	627947	80.03%	5.234%
37	11.233	1554	1555	1561	rVV	310211	234428	29.88%	1.954%
38	11.286	1561	1564	1568	rVV	84570	80547	10.27%	0.671%
39	11.321	1568	1570	1574	rVB3	9521	11938	1.52%	0.100%
40	11.457	1589	1593	1599	rBV6	10441	23022	2.93%	0.192%
41	11.516	1600	1603	1605	rVV2	12542	12345	1.57%	0.103%
42	11.539	1605	1607	1613	rVB2	12767	12706	1.62%	0.106%
43	11.627	1618	1622	1626	rVB2	7169	10793	1.38%	0.090%
44	11.668	1626	1629	1632	rBV3	10606	14637	1.87%	0.122%
45	11.716	1633	1637	1639	rBV	49525	53902	6.87%	0.449%
46	11.745	1639	1642	1647	rVB2	83590	90515	11.54%	0.754%
47	11.786	1647	1649	1652	rBV	21529	17965	2.29%	0.150%
48	11.821	1652	1655	1658	rBV	90680	100458	12.80%	0.837%
49	11.845	1658	1659	1665	rVB	44865	31660	4.04%	0.264%
50	11.921	1669	1672	1674	rVB3	13327	9751	1.24%	0.081%
51	11.945	1674	1676	1680	rVB3	11664	10493	1.34%	0.087%
52	11.986	1680	1683	1684	rBV3	7730	8911	1.14%	0.074%
53	12.010	1684	1687	1689	rBV	27429	26901	3.43%	0.224%
54	12.080	1696	1699	1701	rBV3	9326	11707	1.49%	0.098%
55	12.133	1706	1708	1710	rVV3	11343	11163	1.42%	0.093%
56	12.157	1710	1712	1714	rVV	17755	13914	1.77%	0.116%
57	12.186	1714	1717	1719	rVV	22921	22409	2.86%	0.187%
58	12.210	1719	1721	1725	rVB4	21481	19310	2.46%	0.161%
59	12.263	1726	1730	1732	rBV	54550	57894	7.38%	0.483%
60	12.298	1733	1736	1742	rVB4	32950	62829	8.01%	0.524%
61	12.345	1742	1744	1748	rBV3	21173	31304	3.99%	0.261%
62	12.415	1753	1756	1760	rBV	354679	378681	48.26%	3.156%
63	12.568	1780	1782	1787	rBV3	16092	15009	1.91%	0.125%
64	12.645	1790	1795	1799	rBV	366200	387495	49.39%	3.230%
65	12.762	1813	1815	1816	rBV2	23860	17442	2.22%	0.145%
66	12.792	1816	1820	1827	rVB	705824	691432	88.12%	5.763%
67	12.863	1830	1832	1837	rVV2	24716	35266	4.49%	0.294%
68	12.951	1845	1847	1848	rBV2	25390	21318	2.72%	0.178%
69	12.974	1848	1851	1854	rVB	89522	86777	11.06%	0.723%
70	13.039	1859	1862	1865	rVB2	88590	82872	10.56%	0.691%
71	13.080	1866	1869	1873	rVV	45582	52951	6.75%	0.441%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J5198-03 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-100218-B

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-BF092218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.168	1881	1884	1886	rBV	38834	35681	4.55%	0.297%
73	13.198	1887	1889	1893	rVV	38407	38198	4.87%	0.318%
74	13.374	1917	1919	1921	rBV2	32042	27141	3.46%	0.226%
75	13.698	1971	1974	1982	rVB3	99308	136995	17.46%	1.142%
76	13.839	1993	1998	2001	rBV2	668663	784614	100.00%	6.540%
77	14.680	2138	2141	2147	rVB	220720	206674	26.34%	1.723%
78	14.845	2167	2169	2173	rBV	91528	118927	15.16%	0.991%
79	15.245	2233	2237	2240	rBV	283760	348360	44.40%	2.904%

Sum of corrected areas: 11996906

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100318\
Data File : BF109553.D
Acq On : 3 Oct 2018 18:17
Operator : JU/SJ
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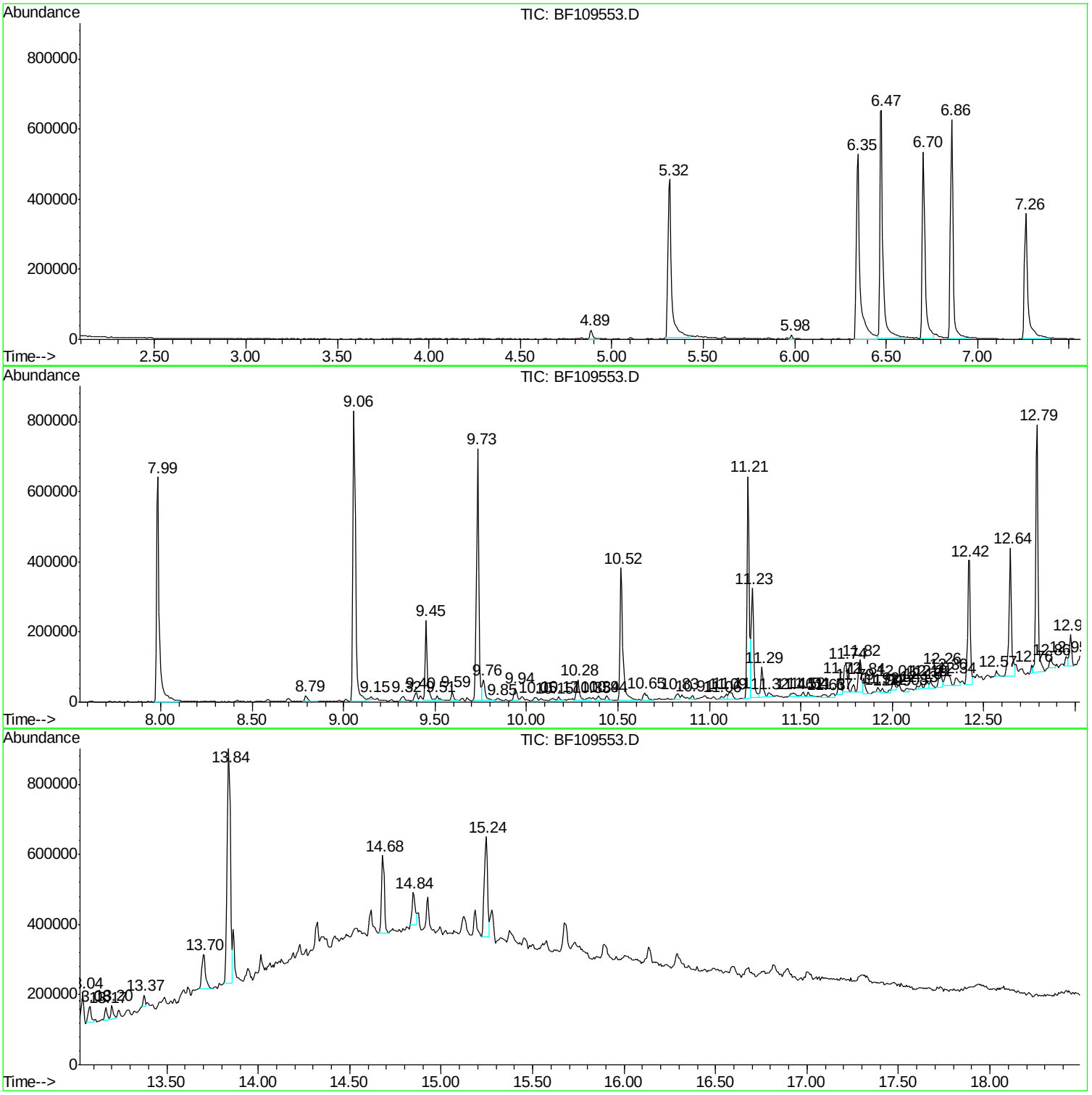
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-01-100218-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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\BF100318\
Data File : BF109553.D
Acq On : 3 Oct 2018 18:17
Operator : JU/SJ
Sample : J5198-03 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-100218-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

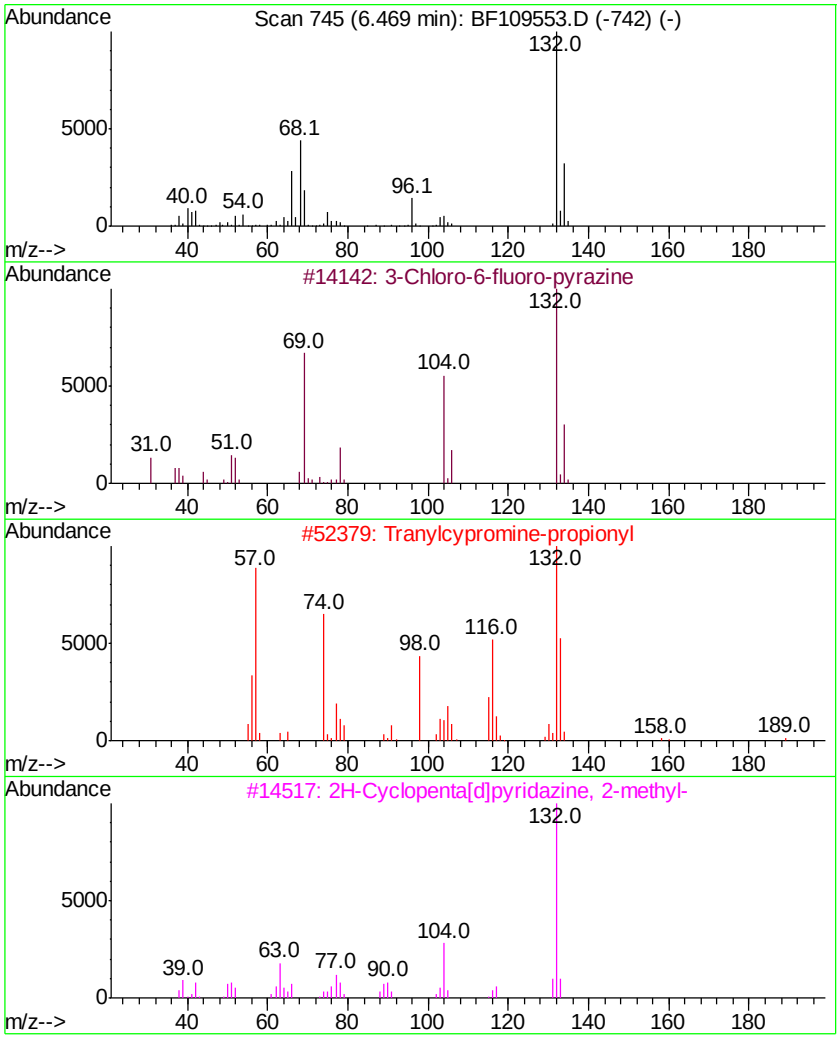
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

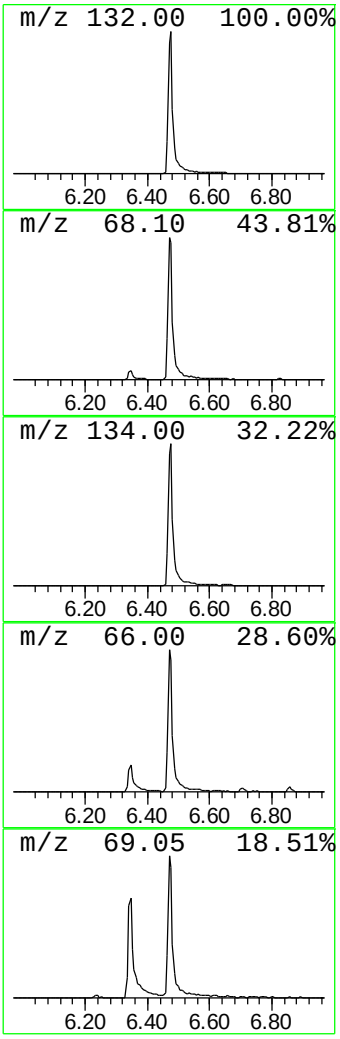
****

Peak Number 1 unknown6.47 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	29.15 ng	778686	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





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Misc :
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Instrument : BNA_F
ClientSampleId : CL-01-100218-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

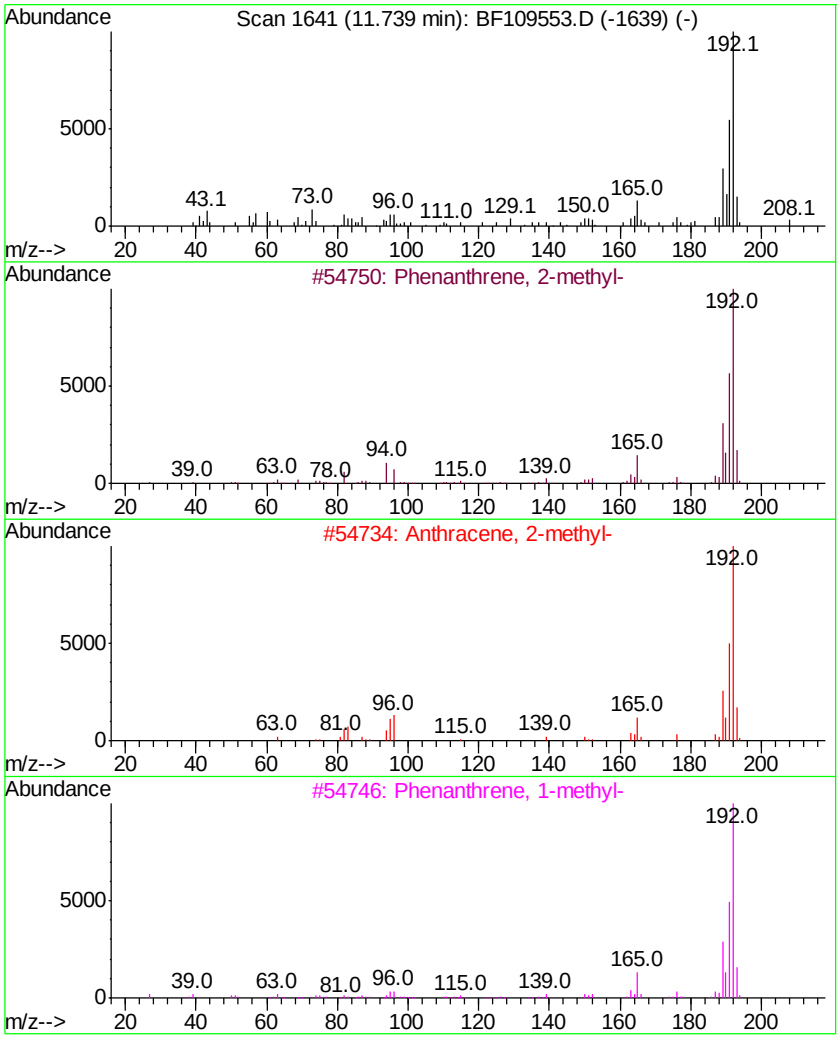
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

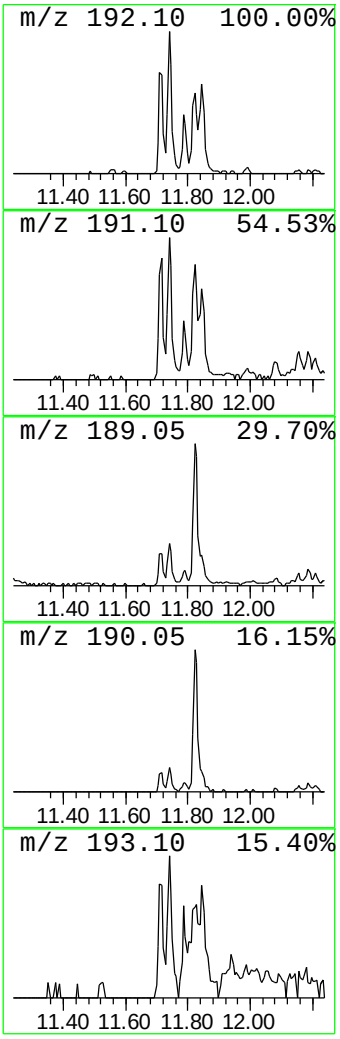
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	2.88 ng	90515	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	76
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	70
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	70
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100318\
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Instrument : BNA_F
ClientSampleId : CL-01-100218-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

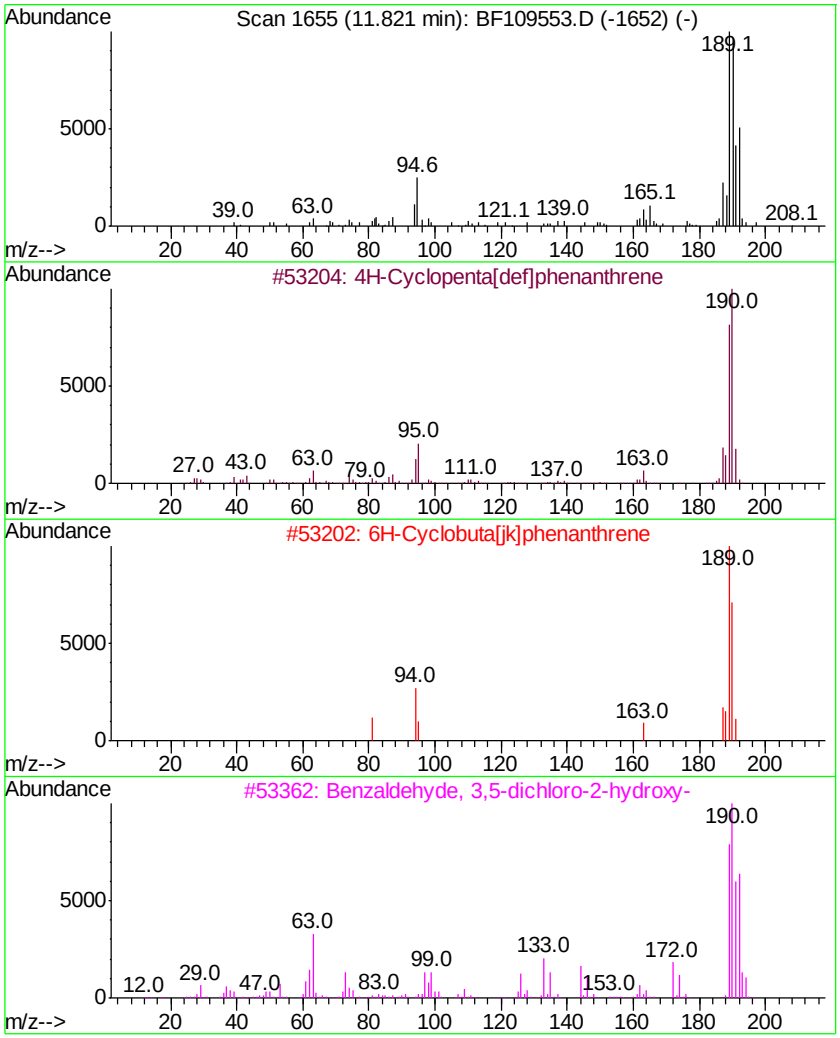
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

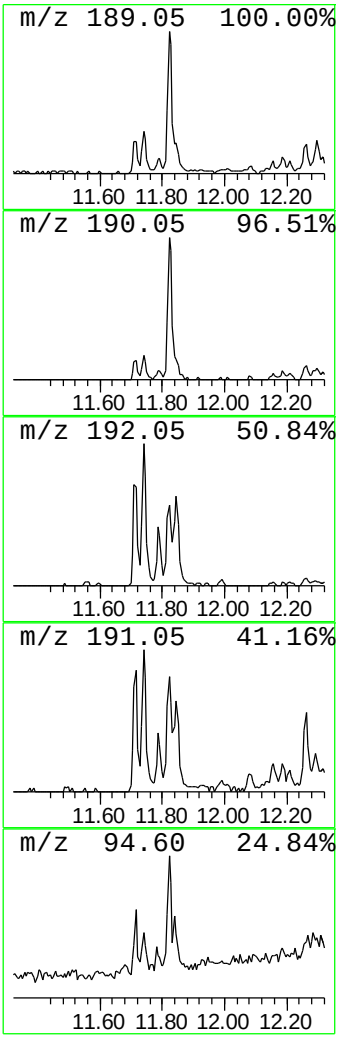
****

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	3.20 ng	100458	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	43
5	Methyl diselenide	190	C2H6Se2	007101-31-7	27





Library Search Compound Report

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TIC Library : C:\DATABASE\NIST11.L
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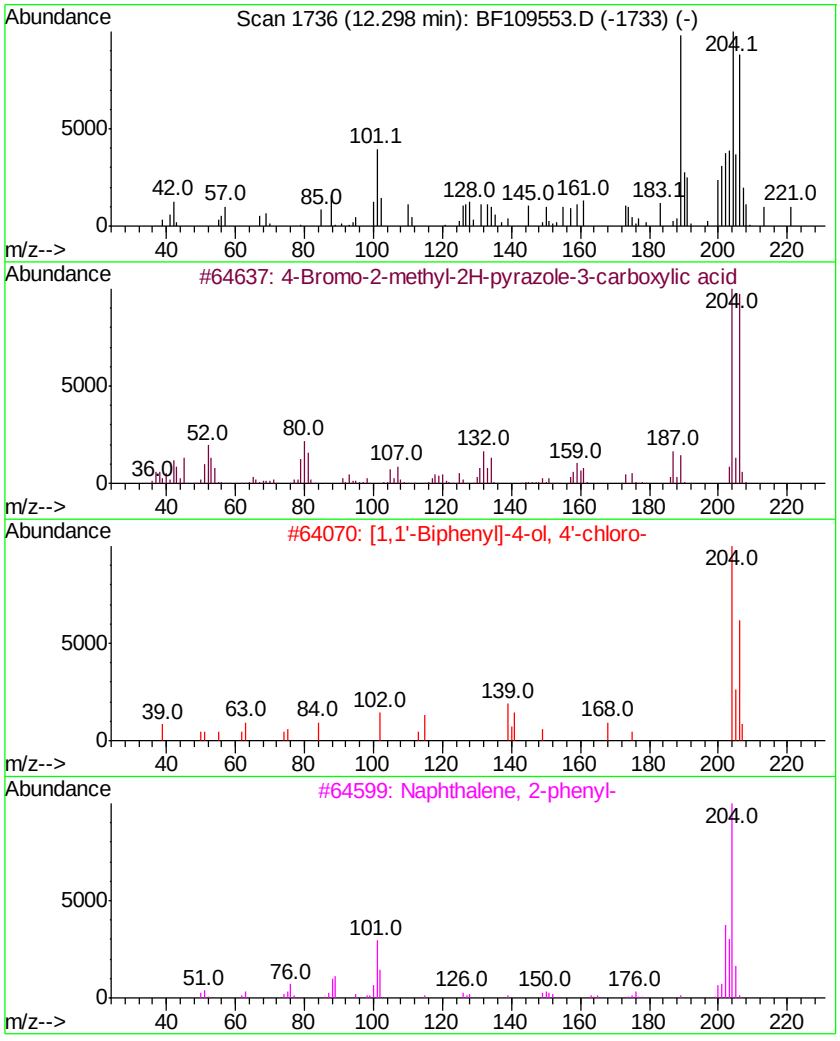
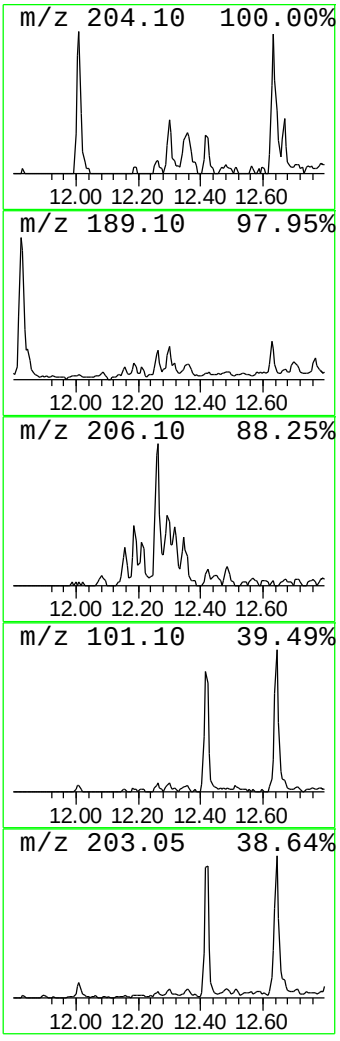
Peak Number 5 unknown12.30 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	2.00 ng	62829	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Bromo-2-methyl-2H-pyrazole-3-c...	204	C5H5BrN2O2	1000300-50-8	38
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	35
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	30
4	3,5-Dichloro-2,4-dimethyl-1-meth...	204	C9H10Cl2O	1000250-17-8	30
5	.delta.-Selinene	204	C15H24	028624-23-9	27





Library Search Compound Report

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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-100218-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

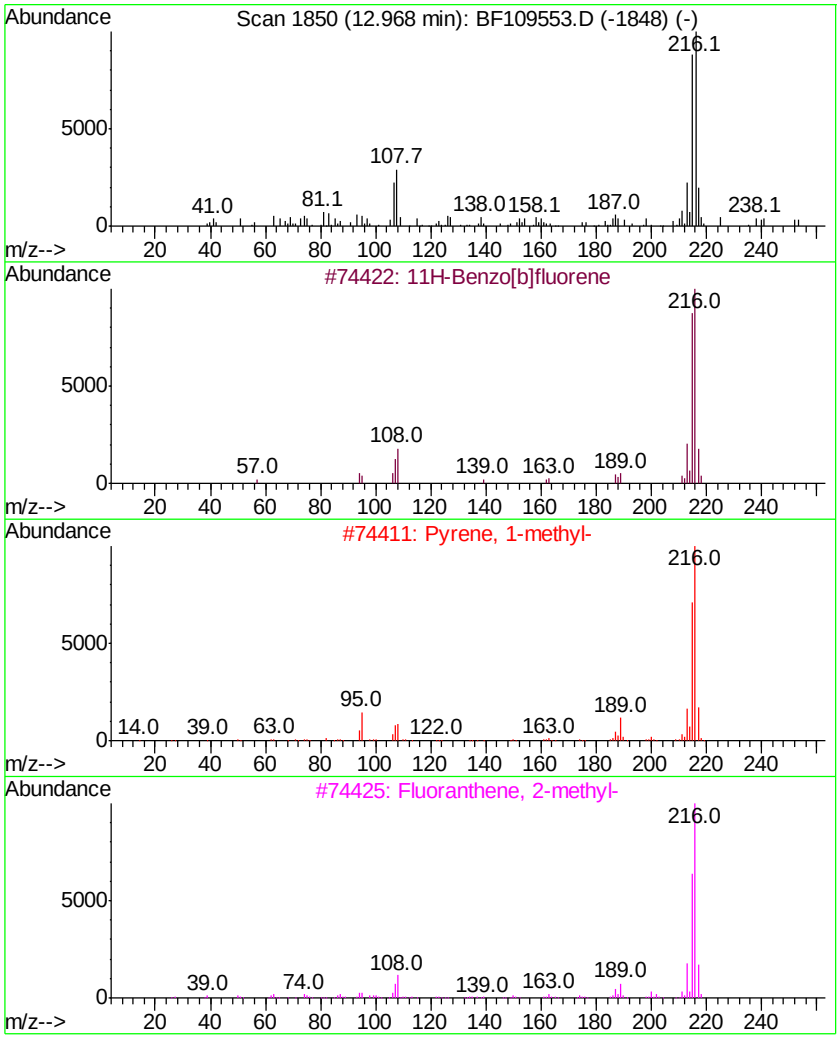
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

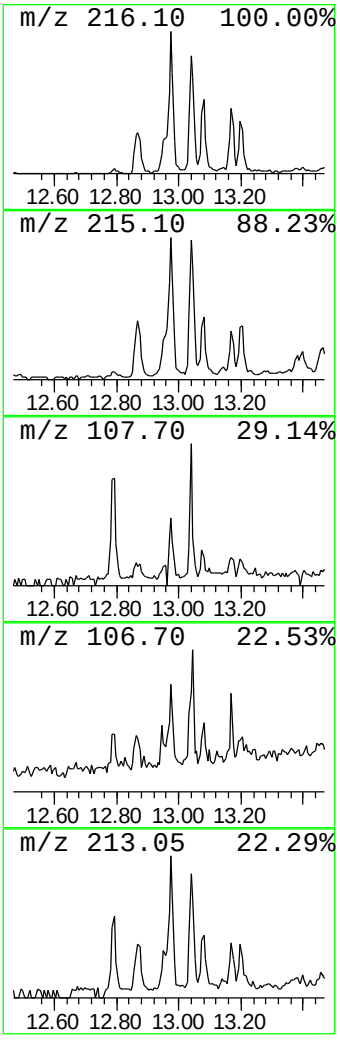
****

Peak Number 6 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	2.21 ng	86777	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100318\
Data File : BF109553.D
Acq On : 3 Oct 2018 18:17
Operator : JU/SJ
Sample : J5198-03 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-100218-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

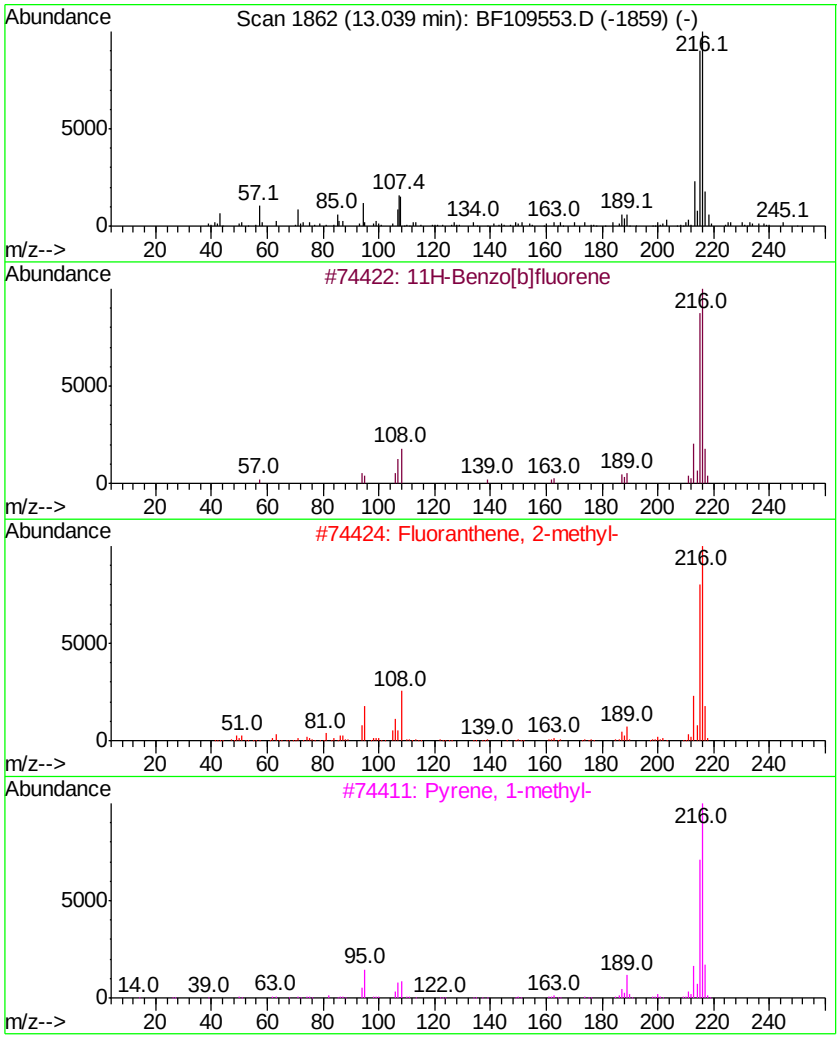
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

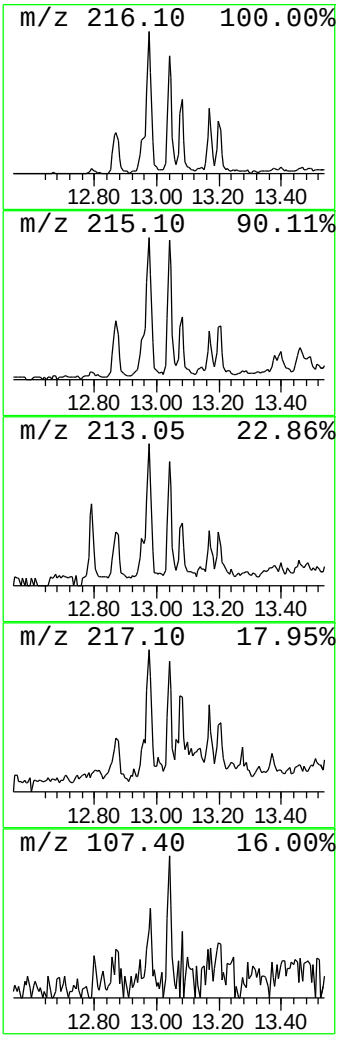
****

Peak Number 7 Fluoranthene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.04	2.11 ng	82872	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64





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Acq On : 3 Oct 2018 18:17
Operator : JU/SJ
Sample : J5198-03 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-100218-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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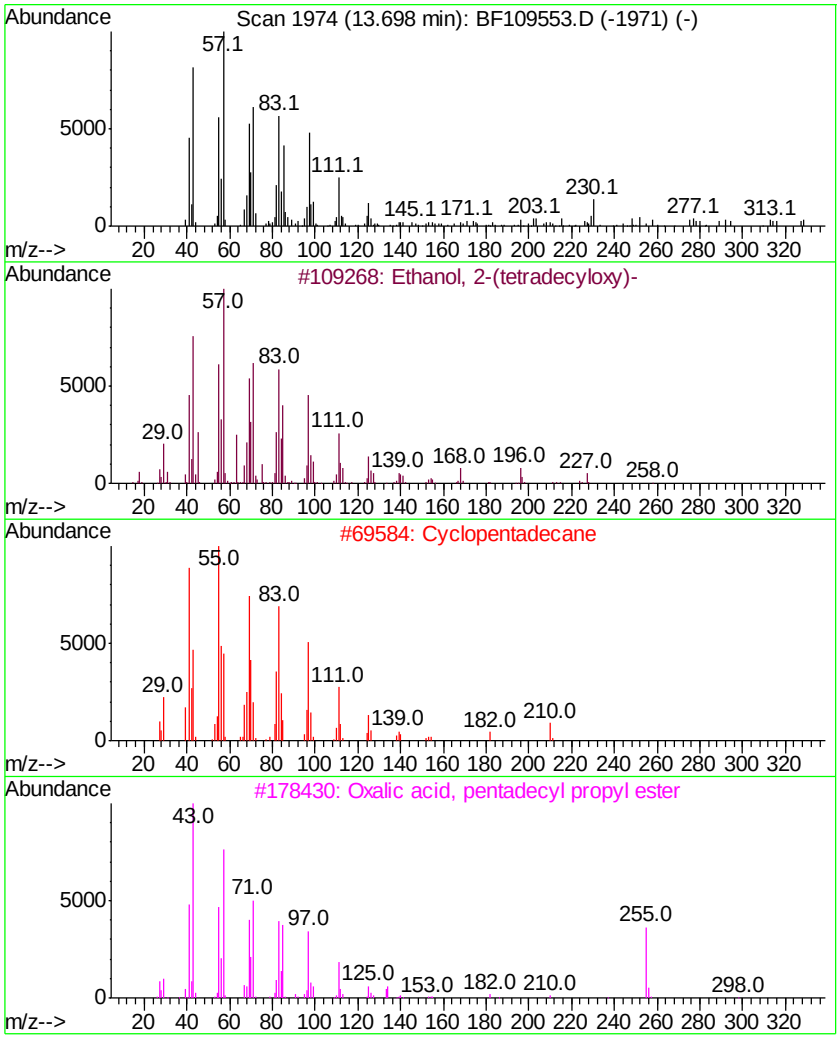
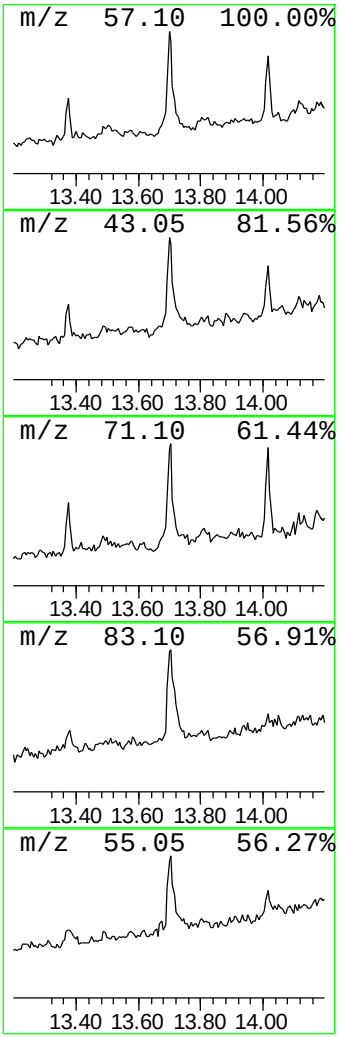
Peak Number 8 Ethanol, 2-(tetradecyloxy)- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.70	3.49 ng	136995	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	87
2	Cyclopentadecane	210	C15H30	000295-48-7	86
3	Oxalic acid, pentadecyl propyl e...	342	C20H38O4	1000309-26-8	83
4	Oxalic acid, isobutyl hexadecyl ...	370	C22H42O4	1000309-38-1	83
5	Oxalic acid, isobutyl pentadecyl...	356	C21H40O4	1000309-38-0	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100318\
Data File : BF109553.D
Acq On : 3 Oct 2018 18:17
Operator : JU/SJ
Sample : J5198-03 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-100218-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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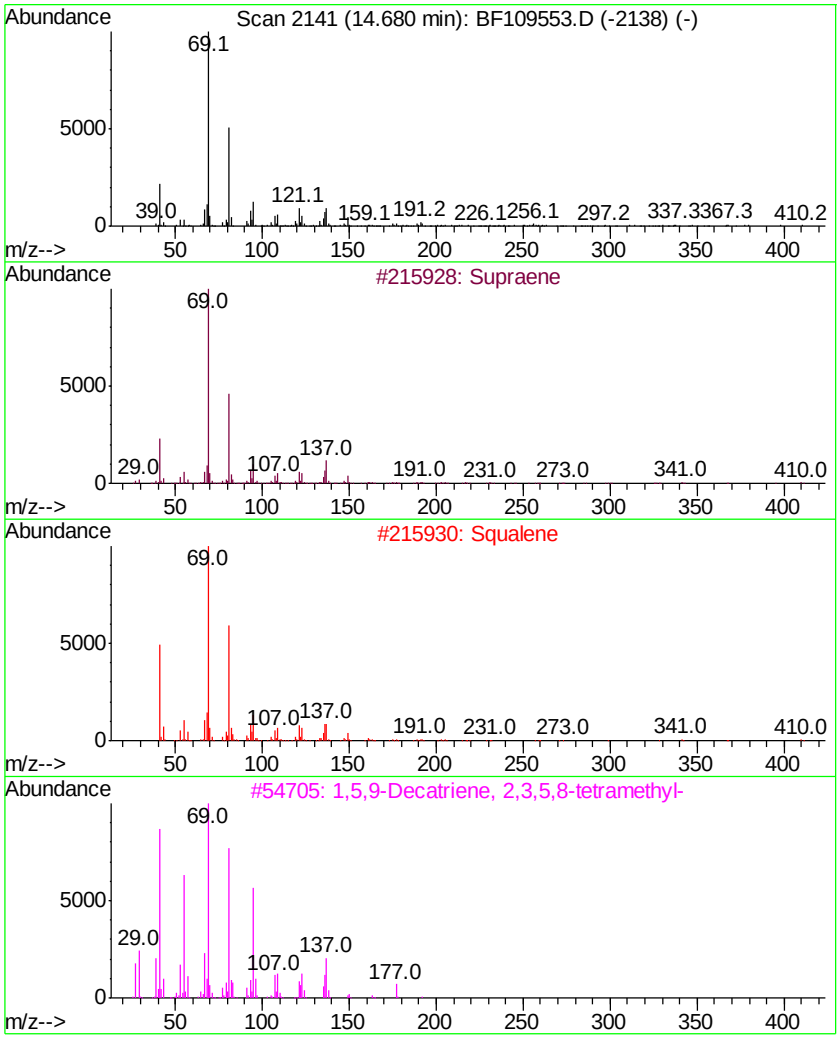
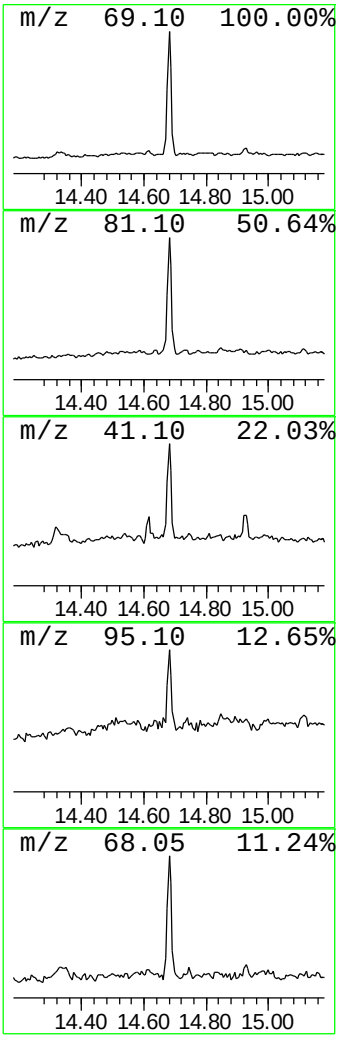
Peak Number 9 Supraene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	11.87 ng	206674	Perylene-d12	15.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Supraene	410	C30H50	007683-64-9	99
2	Squalene	410	C30H50	000111-02-4	95
3	1,5,9-Decatriene, 2,3,5,8-tetram...	192	C14H24	230646-72-7	59
4	1,6-Octadiene, 3,5-dimethyl-, tr...	138	C10H18	074630-87-8	53
5	2,6-Octadiene, 4-methyl-	124	C9H16	074498-94-5	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100318\
Data File : BF109553.D
Acq On : 3 Oct 2018 18:17
Operator : JU/SJ
Sample : J5198-03 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-100218-B

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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
unknown6.47	6.47	29.1	ng	778686	1	6.70	534185	20.0
Phenanthrene, 2-m...	11.74	2.9	ng	90515	4	11.21	627947	20.0
4H-Cyclopenta[def...	11.82	3.2	ng	100458	4	11.21	627947	20.0
unknown12.30	12.30	2.0	ng	62829	4	11.21	627947	20.0
11H-Benzo[b]fluorene	12.97	2.2	ng	86777	5	13.84	784614	20.0
Fluoranthene, 2-m...	13.04	2.1	ng	82872	5	13.84	784614	20.0
Ethanol, 2-(tetra...	13.70	3.5	ng	136995	5	13.84	784614	20.0
Supraene	14.68	11.9	ng	206674	6	15.24	348360	20.0