LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100318\
Data File : BF109554.D
Acq On : 3 Oct 2018 18:44
Operator : JU/SJ
Sample : J5198-07 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

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	471	476	482	rBV2	20271	25590	2.61%	0.228%
2	5.316	546	549	572	rBV	295521	428328	43.64%	3.817%
3	5.981	659	662	665	rVB	22611	18616	1.90%	0.166%
4	6.346	720	724	740	rBV	281688	464667	47.34%	4.141%
5	6.475	742	746	757	rVV	446831	508936	51.85%	4.535%
6	6.551	757	759	769	rVB2	11076	17223	1.75%	0.153%
7	6.704	782	785	804	rBV	434922	470884	47.98%	4.196%
8	6.857	808	811	829	rVB	409846	400508	40.80%	3.569%
9	7.263	877	880	887	rBV	195278	242878	24.75%	2.164%
10	7.987	999	1003	1014	rBV	487477	531888	54.19%	4.740%
11	8.792	1138	1140	1144	rBV	11228	10770	1.10%	0.096%
12	9.057	1182	1185	1198	rBV	509031	490420	49.97%	4.370%
13	9.151	1198	1201	1205	rVB2	10802	13931	1.42%	0.124%
14	9.328	1226	1231	1238	rBV	8607	13797	1.41%	0.123%
15	9.392	1239	1242	1245	rBV	16957	17213	1.75%	0.153%
16	9.451	1249	1252	1258	rBV	146940	128705	13.11%	1.147%
17	9.592	1272	1276	1281	rBV	17303	16565	1.69%	0.148%
18	9.734	1296	1300	1304	rBV	568442	514916	52.46%	4.588%
19	9.763	1304	1305	1316	rVB	45407	38267	3.90%	0.341%
20	9.939	1331	1335	1339	rBV	21133	24237	2.47%	0.216%
21	10.175	1371	1375	1380	rVB4	9511	10541	1.07%	0.094%
22	10.281	1390	1393	1399	rBV	38915	39917	4.07%	0.356%
23	10.433	1416	1419	1423	rVB2	10910	13188	1.34%	0.118%
24	10.516	1430	1433	1440	rBV	288553	313180	31.91%	2.791%
25	10.645	1452	1455	1463	rBV2	17885	27160	2.77%	0.242%
26	10.828	1481	1486	1488	rBV	11693	16900	1.72%	0.151%
27	11.069	1522	1527	1529	rBV2	10030	13895	1.42%	0.124%
28	11.110	1532	1534	1539	rVB2	18091	25413	2.59%	0.226%
29	11.210	1548	1551	1553	rBV	617060	554309	56.47%	4.939%
30	11.233	1553	1555	1560	rVV	335895	311709	31.76%	2.778%
31	11.286	1561	1564	1568	rVV	92986	93887	9.57%	0.837%
32	11.328	1568	1571	1574	rVB3	10005	13375	1.36%	0.119%
33	11.516	1600	1603	1605	rBV3	11041	12640	1.29%	0.113%
34	11.622	1617	1621	1625	rBV5	9424	14653	1.49%	0.131%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J5198-07 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

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	11.716	1633	1637	1639	rBV	45822	51396	5.24%	0.458%
36	11.745	1639	1642	1646	rVB2	82838	81018	8.25%	0.722%
37	11.786	1646	1649	1652	rBV	28525	22866	2.33%	0.204%
38	11.822	1652	1655	1658	rBV	110172	116538	11.87%	1.038%
39	11.922	1669	1672	1674	rBV3	13907	12175	1.24%	0.108%
40	11.951	1674	1677	1680	rBV5	9371	10049	1.02%	0.090%
41	12.010	1684	1687	1689	rVV	40187	40703	4.15%	0.363%
42	12.033	1689	1691	1695	rVB3	21616	23741	2.42%	0.212%
43	12.139	1706	1709	1710	rBV2	10698	10158	1.03%	0.091%
44	12.157	1710	1712	1715	rVV2	15544	14538	1.48%	0.130%
45	12.186	1715	1717	1719	rVV	20729	17778	1.81%	0.158%
46	12.210	1719	1721	1726	rVB2	19662	20308	2.07%	0.181%
47	12.263	1726	1730	1732	rBV	50054	57783	5.89%	0.515%
48	12.298	1733	1736	1741	rVV5	32085	60838	6.20%	0.542%
49	12.345	1741	1744	1748	rVV2	36159	44297	4.51%	0.395%
50	12.422	1753	1757	1762	rBV	716789	694208	70.73%	6.186%
51	12.463	1762	1764	1766	rBV	13403	11298	1.15%	0.101%
52	12.569	1780	1782	1787	rVB2	20870	21649	2.21%	0.193%
53	12.645	1789	1795	1799	rBV	670629	722254	73.59%	6.436%
54	12.792	1816	1820	1828	rVB	598021	615808	62.74%	5.487%
55	12.863	1828	1832	1836	rBV2	47024	80822	8.23%	0.720%
56	12.951	1844	1847	1848	rBV3	34371	33717	3.44%	0.300%
57	12.975	1848	1851	1855	rVB	110961	115248	11.74%	1.027%
58	13.039	1859	1862	1865	rVB2	85069	84030	8.56%	0.749%
59	13.080	1865	1869	1871	rBV	72987	85725	8.73%	0.764%
60	13.169	1882	1884	1887	rVB	38769	27708	2.82%	0.247%
61	13.198	1887	1889	1893	rBV	35041	38708	3.94%	0.345%
62	13.592	1953	1956	1958	rBV	45323	47334	4.82%	0.422%
63	13.616	1958	1960	1962	rVV	39848	28585	2.91%	0.255%
64	13.698	1971	1974	1981	rVB3	75256	119652	12.19%	1.066%
65	13.839	1993	1998	2001	rBV2	784044	981518	100.00%	8.746%
66	13.863	2001	2002	2008	rVB	250716	215165	21.92%	1.917%
67	13.945	2014	2016	2020	rVB	56046	46747	4.76%	0.417%
68	14.851	2166	2170	2172	rBV	199229	261867	26.68%	2.333%
69	15.186	2224	2227	2233	rVB	144445	176329	17.96%	1.571%
70	15.245	2233	2237	2240	rBV	322637	390564	39.79%	3.480%

LSC Area Percent Report

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Sample : J5198-07 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

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

Sum of corrected areas: 11222228

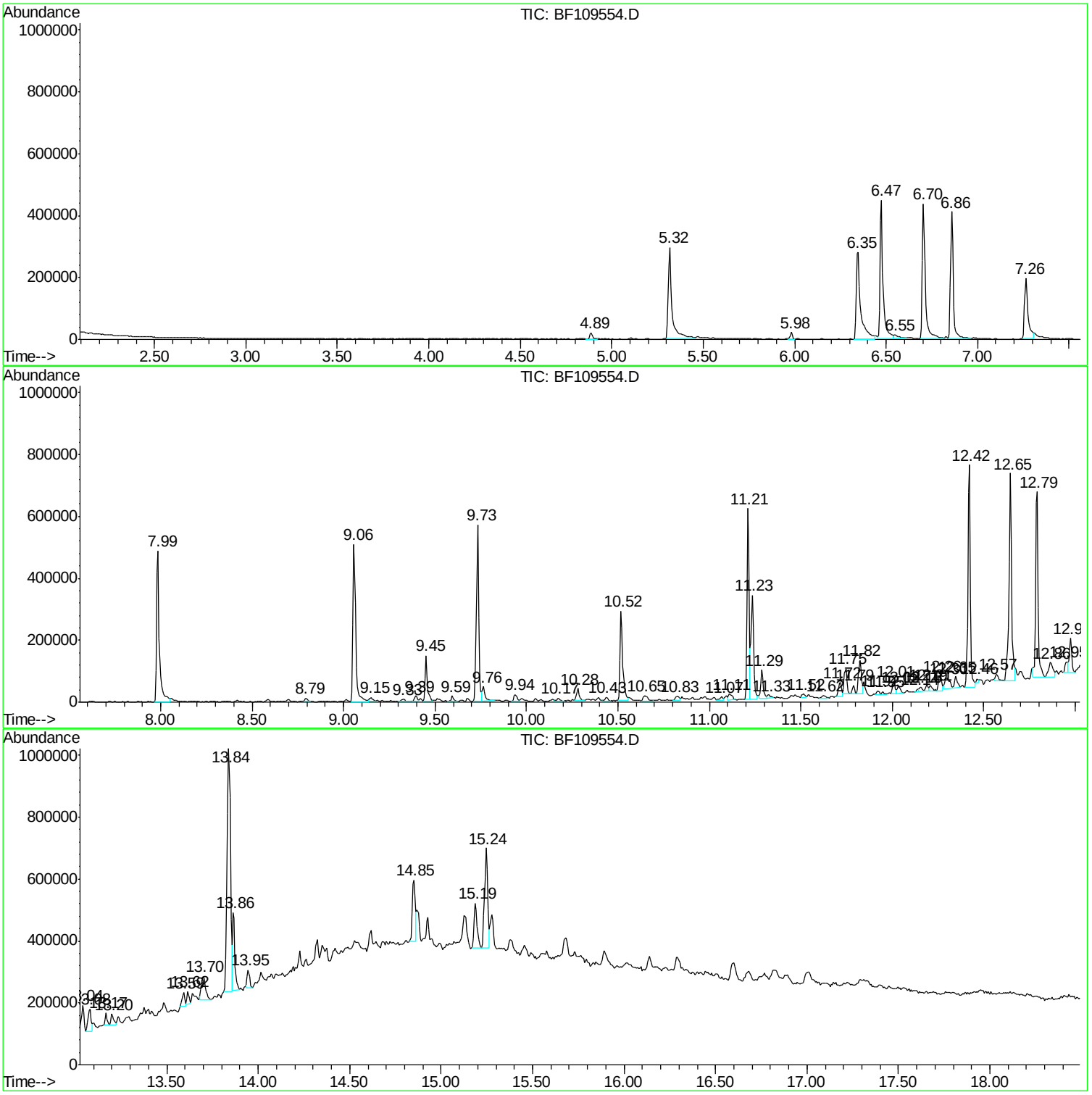
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100318\
Data File : BF109554.D
Acq On : 3 Oct 2018 18:44
Operator : JU/SJ
Sample : J5198-07 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

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 : BF109554.D
Acq On : 3 Oct 2018 18:44
Operator : JU/SJ
Sample : J5198-07 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

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

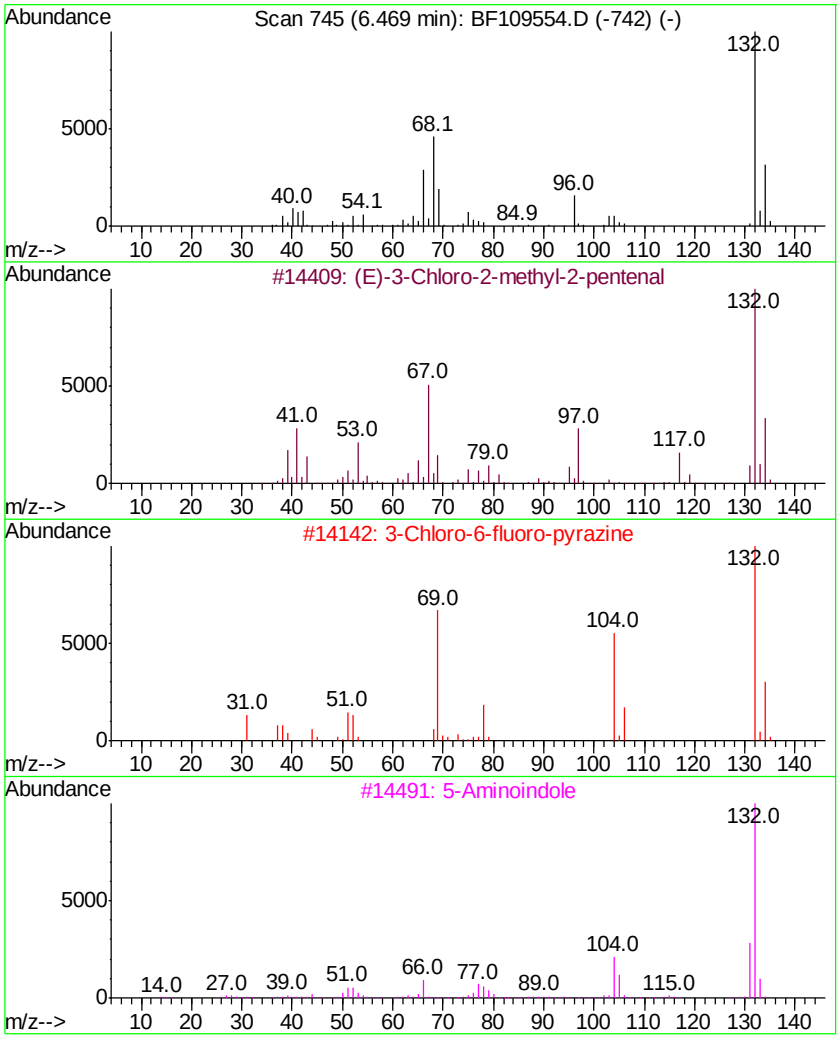
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

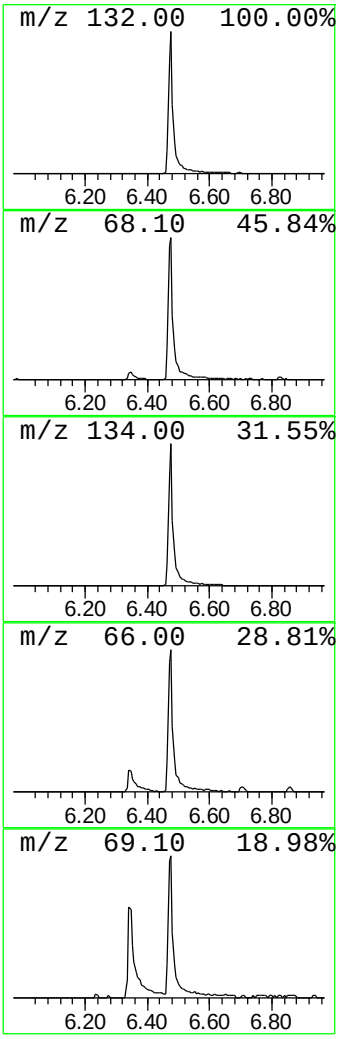
****

Peak Number 1 unknown6.47 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	21.62 ng	508936	1,4-Dichlorobenzene-d4	6.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
3	5-Aminoindole	132	C8H8N2	005192-03-0	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100318\
Data File : BF109554.D
Acq On : 3 Oct 2018 18:44
Operator : JU/SJ
Sample : J5198-07 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

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

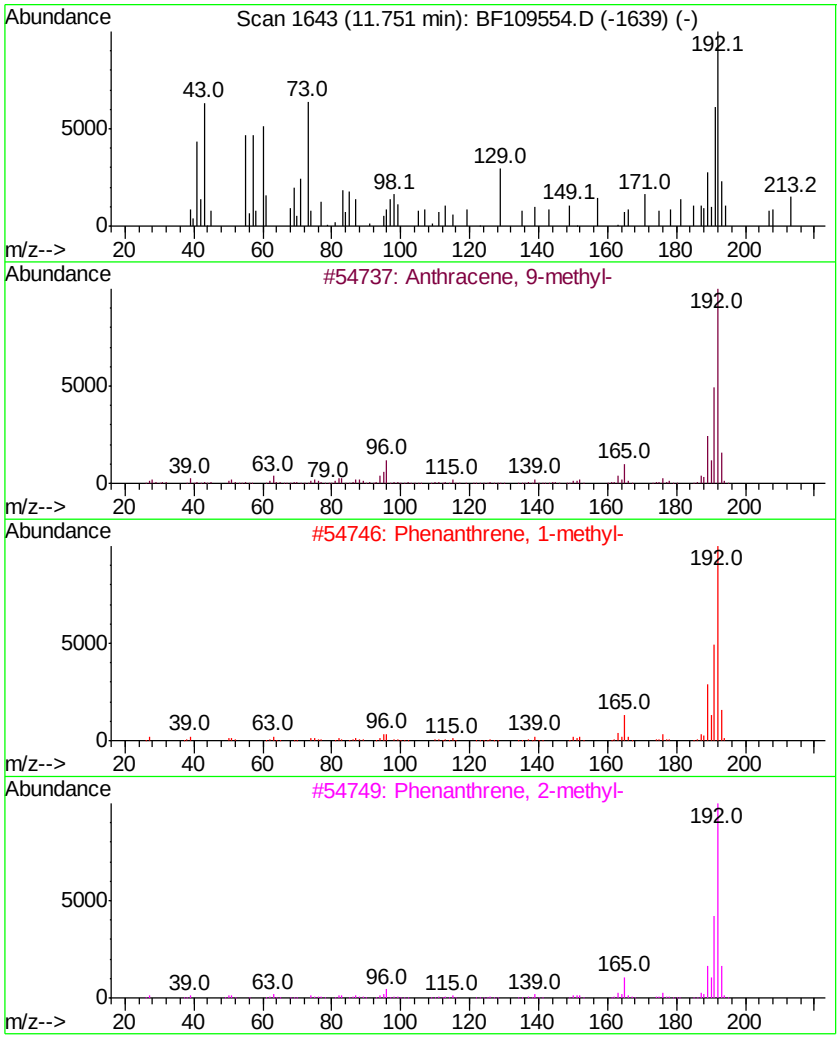
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

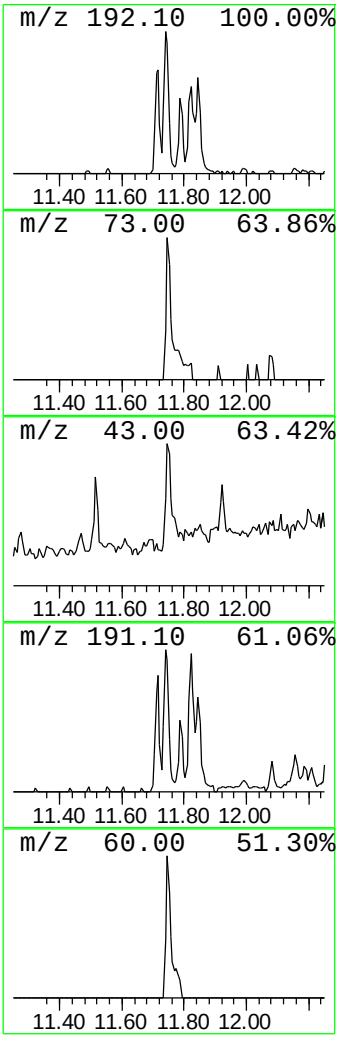
****

Peak Number 3 Anthracene, 9-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	2.92 ng	81018	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	92
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	92
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100318\
Data File : BF109554.D
Acq On : 3 Oct 2018 18:44
Operator : JU/SJ
Sample : J5198-07 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

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

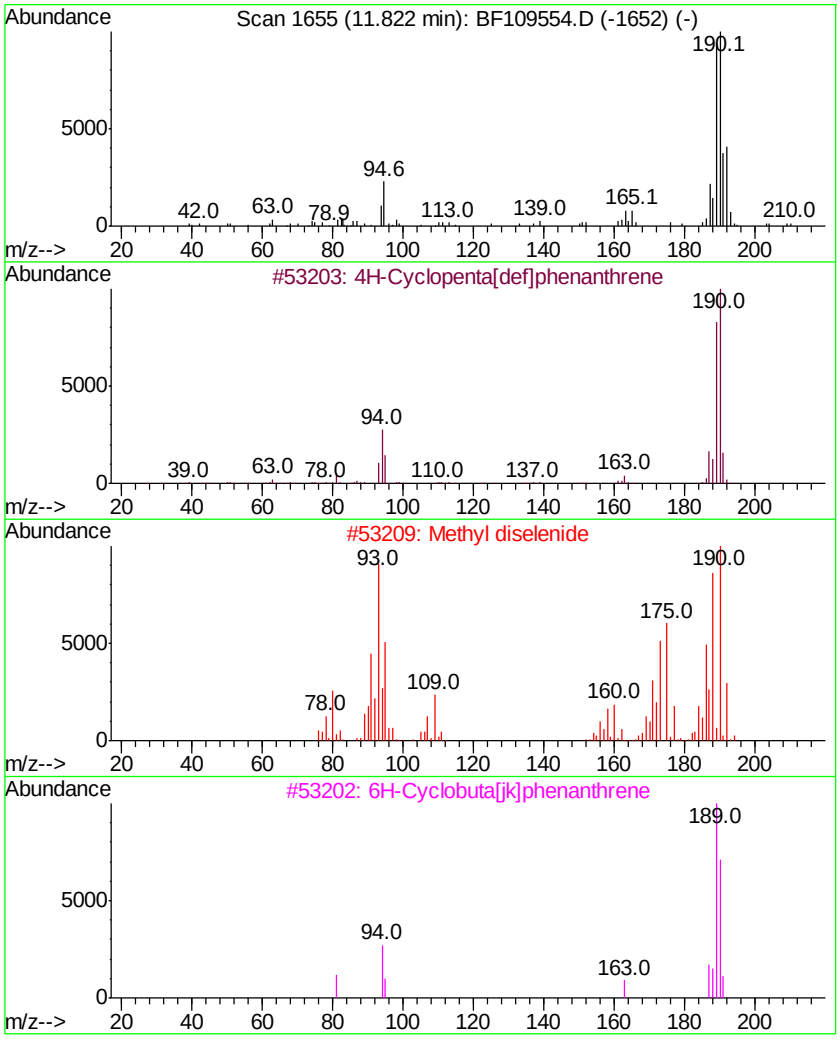
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

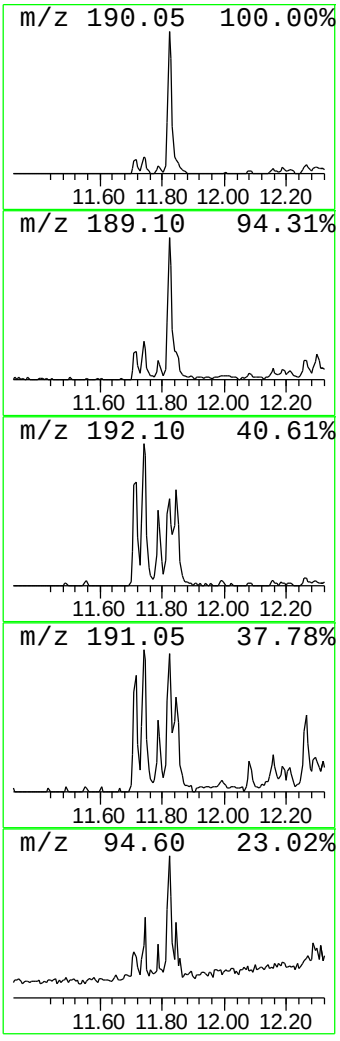
****

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	4.20 ng	116538	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	Methyl diselenide	190	C2H6Se2	007101-31-7	49
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	45
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
5	2,6-Dichlorobenzaldoxime	189	C7H5Cl2NO	025185-95-9	25





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

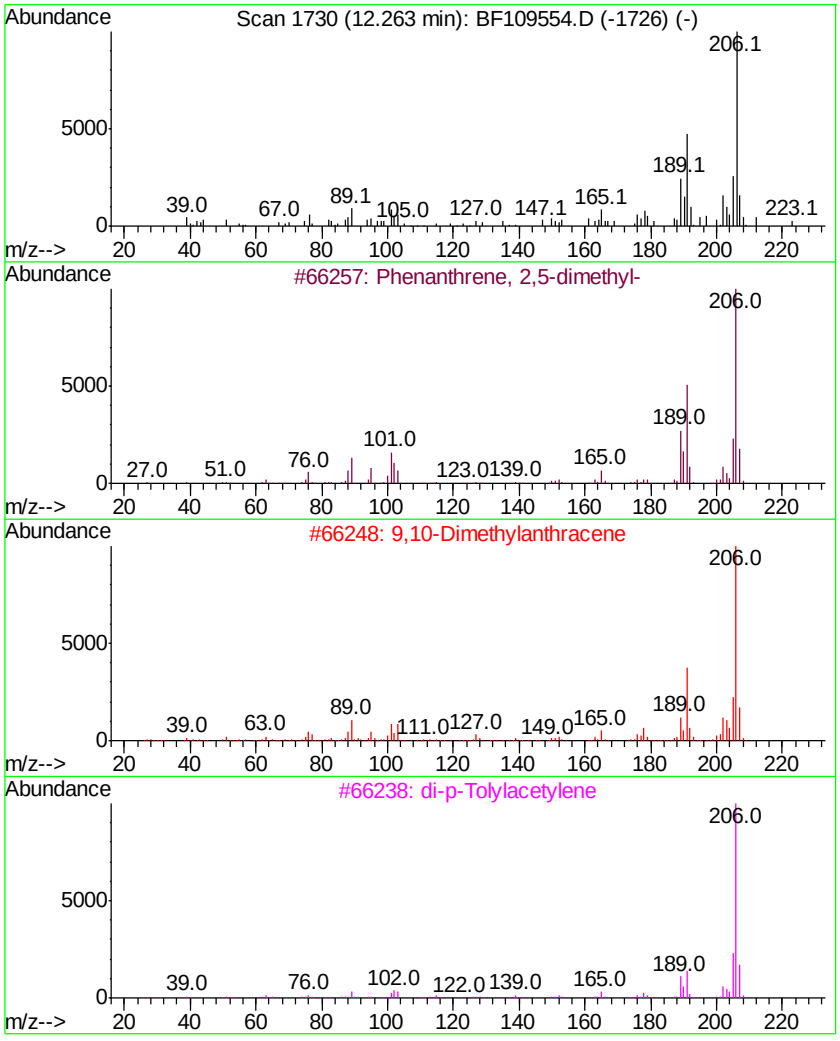
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

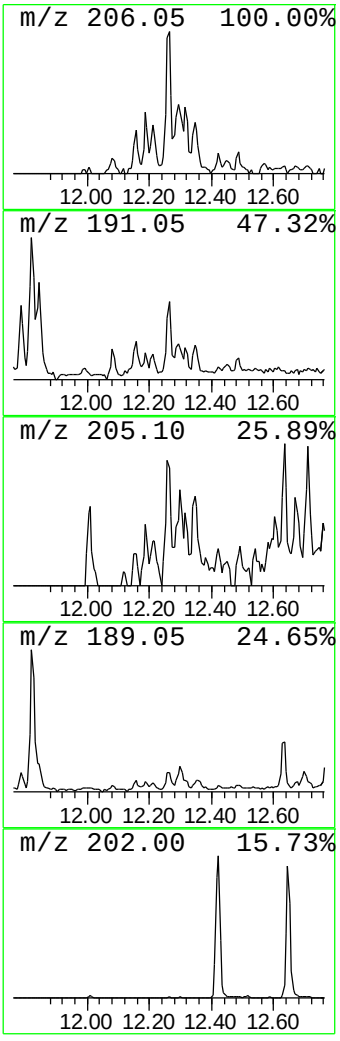
****

Peak Number 5 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	2.08 ng	57783	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





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Sample : J5198-07 2X
Misc :
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Instrument : BNA_F
ClientSampleId : CL-01-100218-D

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

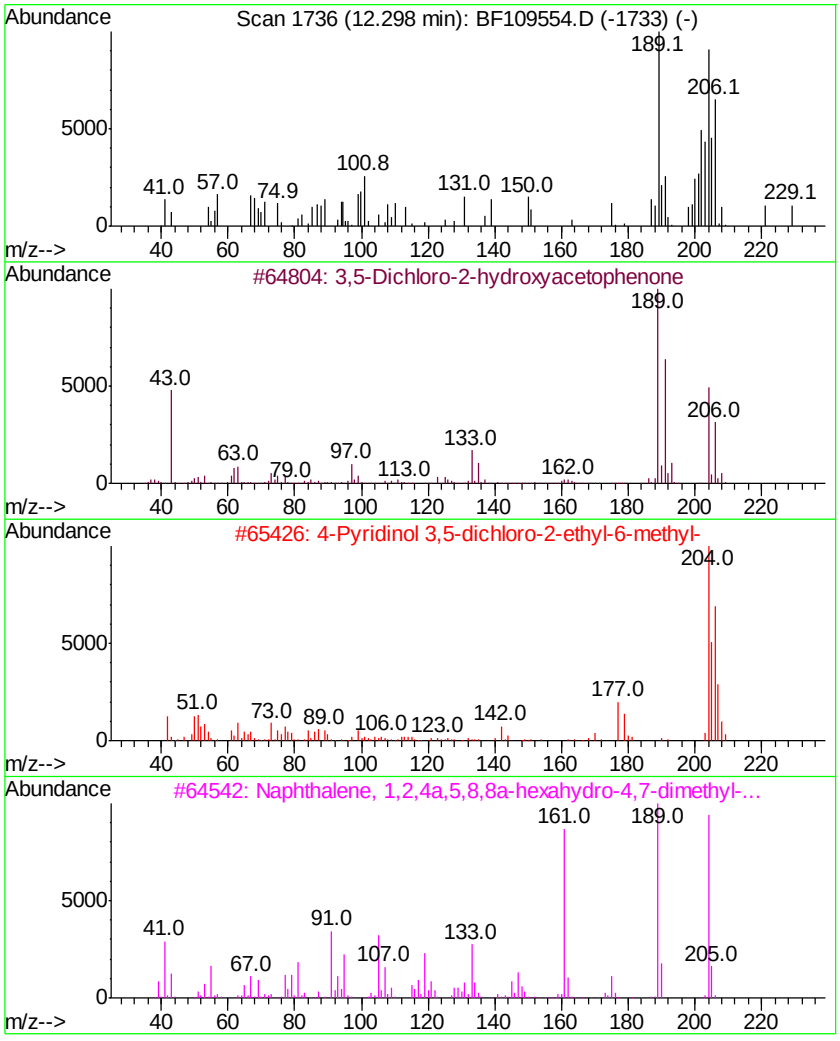
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

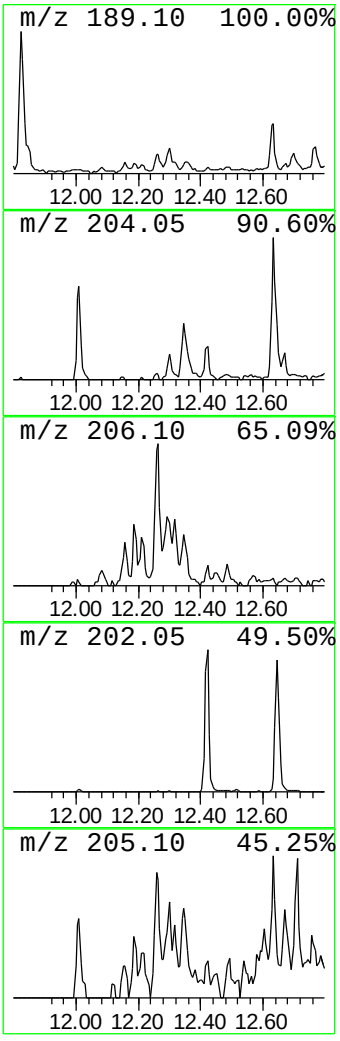
****

Peak Number 6 unknown12.30 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.30	2.20 ng	60838	Phenanthrene-d10	11.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dichloro-2-hydroxyacetophenone	204	C8H6Cl2O2	003321-92-4	37
2	4-Pyridinol 3,5-dichloro-2-ethyl...	205	C8H9Cl2NO	1000253-55-0	35
3	Naphthalene, 1,2,4a,5,8,8a-hexah...	204	C15H24	005951-61-1	35
4	3,5-Dichloro-2,4-dimethyl-1-meth...	204	C9H10Cl2O	1000250-17-8	27
5	Naphthalene, decahydro-4a-methyl...	204	C15H24	017066-67-0	25





Library Search Compound Report

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Data File : BF109554.D
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Misc :
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Instrument : BNA_F
ClientSampleId : CL-01-100218-D

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

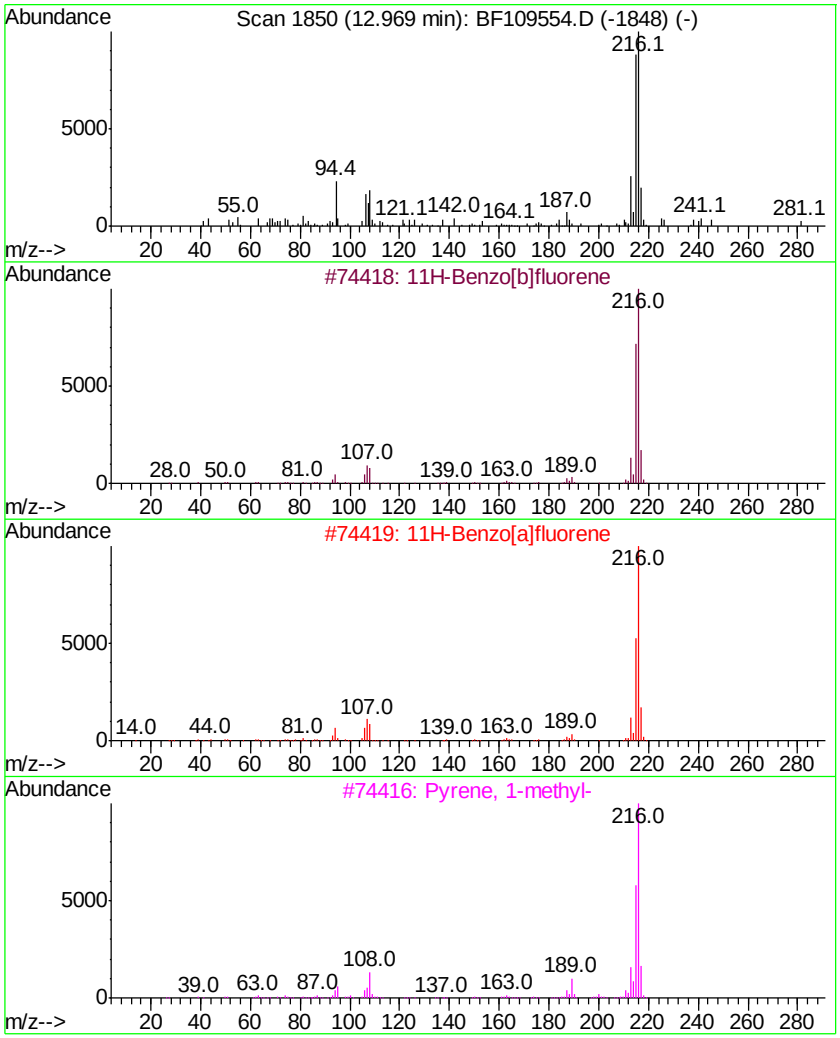
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

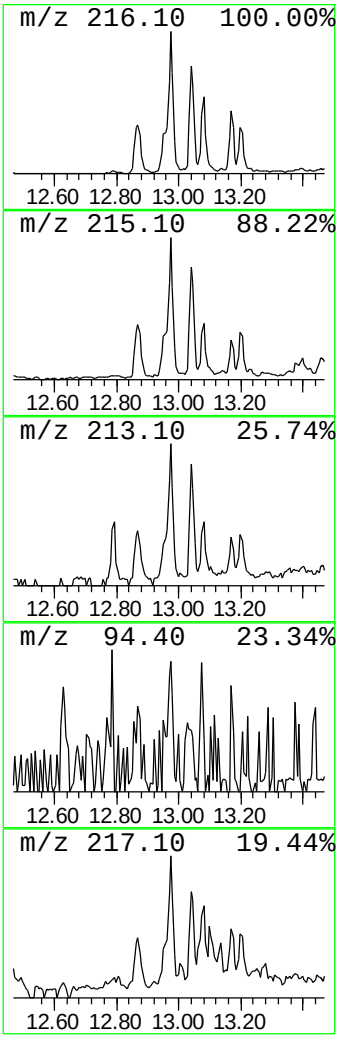
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	2.35 ng	115248	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	78
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	72
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	70





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100318\
Data File : BF109554.D
Acq On : 3 Oct 2018 18:44
Operator : JU/SJ
Sample : J5198-07 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

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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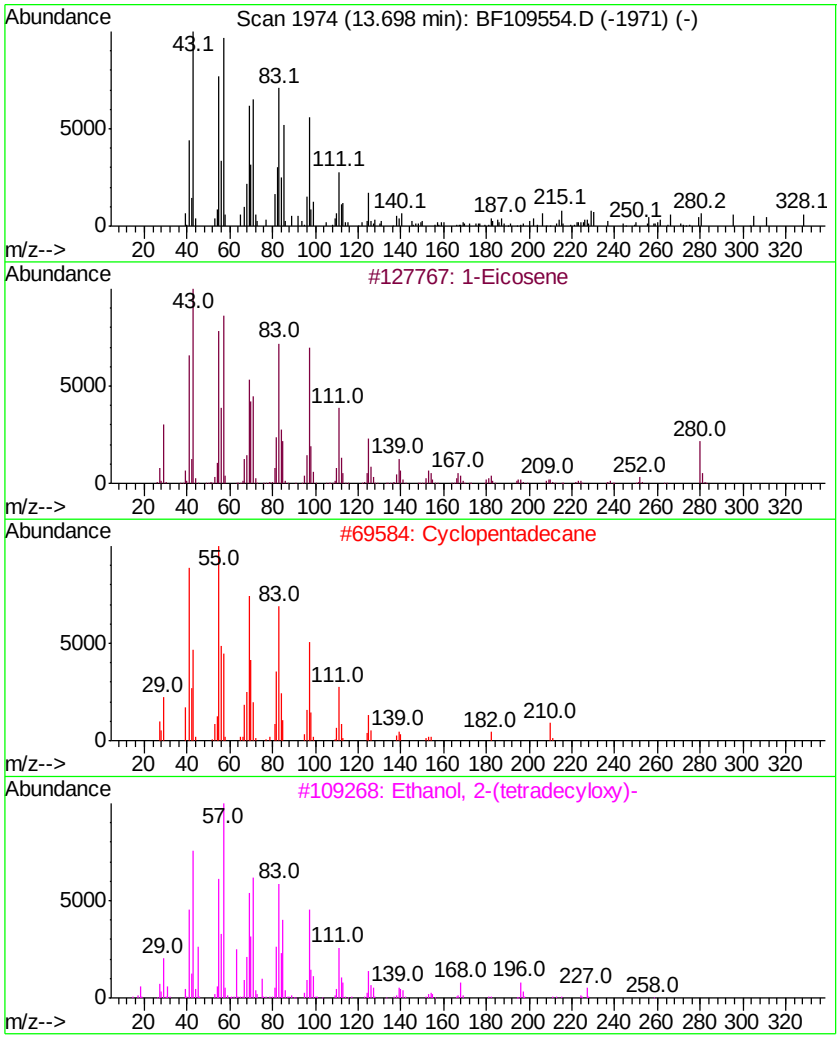
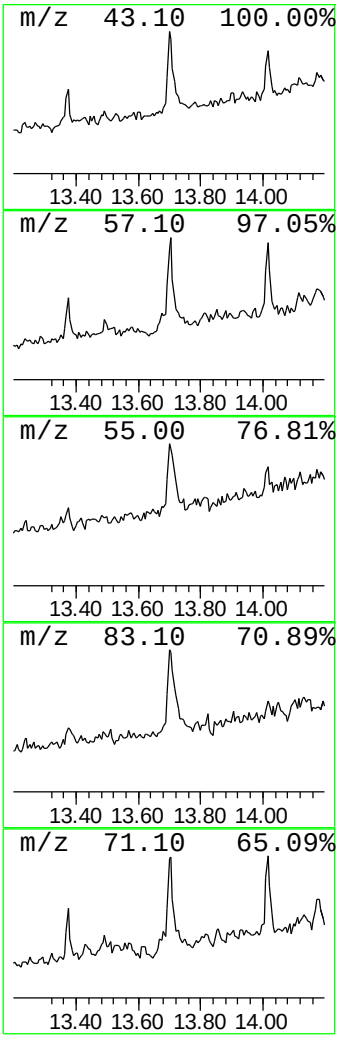
Peak Number 8 1-Eicosene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.70	2.44 ng	119652	Chrysene-d12	13.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Eicosene	280	C20H40	003452-07-1	91
2	Cyclopentadecane	210	C15H30	000295-48-7	90
3	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	90
4	Cycloeicosane	280	C20H40	000296-56-0	83
5	Cyclohexadecane, 1,2-diethyl-	280	C20H40	1000155-85-3	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100318\
Data File : BF109554.D
Acq On : 3 Oct 2018 18:44
Operator : JU/SJ
Sample : J5198-07 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

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

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	21.6	ng	508936	1	6.70	470884	20.0
Anthracene, 9-met...	11.75	2.9	ng	81018	4	11.21	554309	20.0
4H-Cyclopenta[def...	11.82	4.2	ng	116538	4	11.21	554309	20.0
Phenanthrene, 2,5...	12.26	2.1	ng	57783	4	11.21	554309	20.0
unknown12.30	12.30	2.2	ng	60838	4	11.21	554309	20.0
11H-Benzo[b]fluorene	12.97	2.4	ng	115248	5	13.84	981518	20.0
1-Eicosene	13.70	2.4	ng	119652	5	13.84	981518	20.0