LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\
Data File : BF110223.D
Acq On : 26 Oct 2018 21:25
Operator : JU/SJ
Sample : J5204-13 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-102518-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-BF102318.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	2.275	28	32	39	rVB	31847	41126	5.02%	0.370%
2	5.187	524	527	533	rBV	10225	11971	1.46%	0.108%
3	5.581	590	594	606	rBV	360318	347231	42.40%	3.124%
4	6.581	760	764	775	rBV	428815	407957	49.81%	3.671%
5	6.733	786	790	797	rBV	438494	391551	47.81%	3.523%
6	6.969	826	830	837	rBV	762796	644409	78.68%	5.798%
7	7.122	852	856	868	rBV	334339	296825	36.24%	2.671%
8	7.528	921	925	934	rBV	199154	210166	25.66%	1.891%
9	8.251	1044	1048	1051	rBV	912220	771581	94.21%	6.942%
10	8.969	1166	1170	1177	rBV	25324	29319	3.58%	0.264%
11	9.063	1181	1186	1191	rBV	23661	23123	2.82%	0.208%
12	9.322	1227	1230	1239	rBV	477305	415339	50.71%	3.737%
13	9.392	1239	1242	1246	rVB2	13296	10994	1.34%	0.099%
14	9.586	1271	1275	1281	rBV	10429	16367	2.00%	0.147%
15	9.669	1284	1289	1291	rVV	19644	22979	2.81%	0.207%
16	9.716	1295	1297	1305	rVB	37519	37208	4.54%	0.335%
17	9.869	1318	1323	1327	rBV2	15094	16426	2.01%	0.148%
18	9.922	1327	1332	1338	rVV	16208	16084	1.96%	0.145%
19	10.010	1343	1347	1350	rVV	823891	710535	86.76%	6.393%
20	10.045	1350	1353	1362	rVB	95918	102299	12.49%	0.920%
21	10.169	1368	1374	1376	rBV4	7264	10799	1.32%	0.097%
22	10.216	1378	1382	1385	rVV2	35087	35569	4.34%	0.320%
23	10.245	1385	1387	1392	rVB3	11350	11777	1.44%	0.106%
24	10.321	1398	1400	1403	rBV2	7853	8740	1.07%	0.079%
25	10.416	1413	1416	1420	rBV2	34063	39435	4.82%	0.355%
26	10.563	1437	1441	1446	rVB	61323	65238	7.97%	0.587%
27	10.645	1453	1455	1457	rVB2	17957	14756	1.80%	0.133%
28	10.716	1465	1467	1472	rVB2	12141	11721	1.43%	0.105%
29	10.798	1478	1481	1487	rBV	174826	174133	21.26%	1.567%
30	10.898	1494	1498	1507	rVB5	22835	40723	4.97%	0.366%
31	11.110	1527	1534	1537	rBV2	18387	28698	3.50%	0.258%
32	11.192	1544	1548	1551	rVB5	8509	8798	1.07%	0.079%
33	11.221	1551	1553	1557	rBV3	7706	12685	1.55%	0.114%
34	11.304	1564	1567	1571	rVB2	8827	9128	1.11%	0.082%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J5204-13 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-102518-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-BF102318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.345	1571	1574	1577	rVV3	22025	22580	2.76%	0.203%
36	11.398	1581	1583	1589	rVB	30751	25729	3.14%	0.231%
37	11.504	1597	1601	1603	rBV	713284	627951	76.67%	5.650%
38	11.527	1603	1605	1609	rVV	492639	386783	47.23%	3.480%
39	11.580	1611	1614	1618	rVV	124833	113873	13.90%	1.025%
40	11.616	1618	1620	1625	rVB3	9025	9956	1.22%	0.090%
41	11.733	1636	1640	1644	rBV	29855	32903	4.02%	0.296%
42	11.774	1644	1647	1649	rVB2	13538	11551	1.41%	0.104%
43	11.833	1655	1657	1662	rVB3	13186	13273	1.62%	0.119%
44	11.916	1668	1671	1676	rBV3	9614	13424	1.64%	0.121%
45	12.004	1683	1686	1689	rBV	63265	59935	7.32%	0.539%
46	12.033	1689	1691	1696	rVB	81845	65367	7.98%	0.588%
47	12.080	1696	1699	1702	rBV	32859	29182	3.56%	0.263%
48	12.121	1702	1706	1708	rBV2	100113	110750	13.52%	0.996%
49	12.180	1714	1716	1719	rVB4	12717	11010	1.34%	0.099%
50	12.298	1733	1736	1739	rBV	43543	41525	5.07%	0.374%
51	12.327	1739	1741	1744	rVB2	20382	19643	2.40%	0.177%
52	12.451	1760	1762	1765	rVB4	14259	12393	1.51%	0.112%
53	12.480	1765	1767	1769	rBV	19320	13249	1.62%	0.119%
54	12.504	1769	1771	1773	rVB3	15562	10362	1.27%	0.093%
55	12.557	1776	1780	1783	rBV2	40892	62372	7.62%	0.561%
56	12.610	1788	1789	1792	rVB3	12242	9707	1.19%	0.087%
57	12.645	1792	1795	1798	rBV3	25402	32808	4.01%	0.295%
58	12.721	1804	1808	1811	rBV	786197	637778	77.87%	5.738%
59	12.757	1812	1814	1816	rVV3	12542	11719	1.43%	0.105%
60	12.780	1816	1818	1820	rVV3	16778	14620	1.79%	0.132%
61	12.874	1831	1834	1836	rBV	31786	29277	3.57%	0.263%
62	12.951	1840	1847	1853	rBV	620107	685309	83.68%	6.166%
63	12.998	1853	1855	1859	rVB2	37945	39000	4.76%	0.351%
64	13.086	1864	1870	1872	rVV	382763	373089	45.55%	3.357%
65	13.110	1872	1874	1877	rVB2	27956	27212	3.32%	0.245%
66	13.162	1880	1883	1888	rBV3	35229	62913	7.68%	0.566%
67	13.257	1895	1899	1900	rBV4	31866	40968	5.00%	0.369%
68	13.274	1900	1902	1905	rVB2	88002	79785	9.74%	0.718%
69	13.345	1911	1914	1916	rVB	77154	61368	7.49%	0.552%
70	13.380	1916	1920	1923	rBV2	63735	77056	9.41%	0.693%
71	13.410	1923	1925	1928	rVB2	22967	20472	2.50%	0.184%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J5204-13 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-102518-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-BF102318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.480	1934	1937	1939	rVB	24318	20929	2.56%	0.188%
73	13.509	1939	1942	1944	rBV3	31685	32327	3.95%	0.291%
74	13.927	2011	2013	2015	rBV	43771	34479	4.21%	0.310%
75	13.951	2015	2017	2019	rBV	33448	32853	4.01%	0.296%
76	14.151	2046	2051	2054	rBV2	671859	818994	100.00%	7.369%
77	14.174	2054	2055	2060	rVB	216078	170005	20.76%	1.530%
78	14.257	2067	2069	2072	rBV	46224	40955	5.00%	0.368%
79	15.221	2230	2233	2250	rVB2	162971	437124	53.37%	3.933%
80	15.551	2286	2289	2295	rVB	85840	106097	12.95%	0.955%
81	15.615	2296	2300	2305	rBV	121084	168292	20.55%	1.514%
82	15.680	2307	2311	2315	rVV	277791	359420	43.89%	3.234%

Sum of corrected areas: 11114057

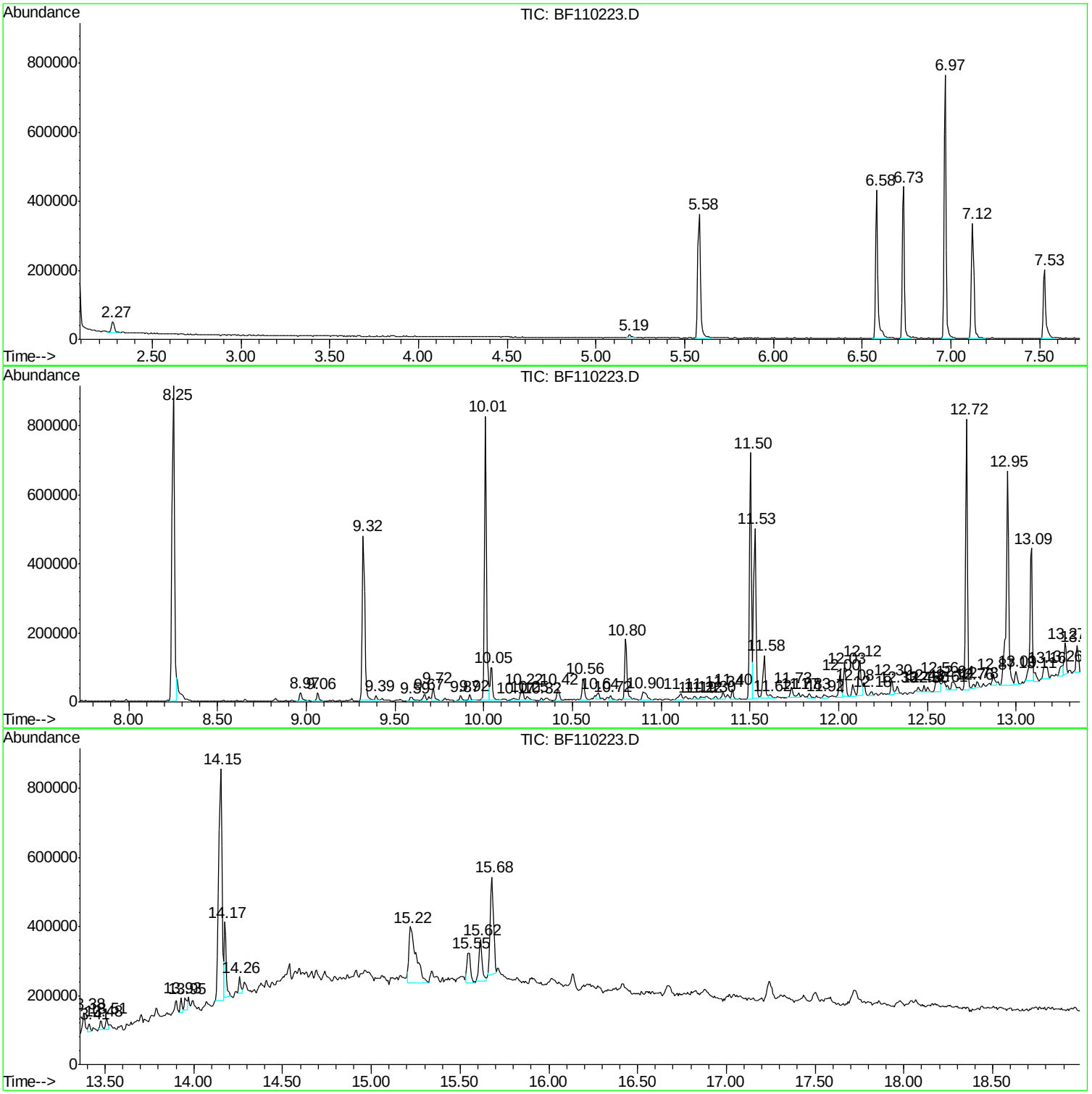
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\
Data File : BF110223.D
Acq On : 26 Oct 2018 21:25
Operator : JU/SJ
Sample : J5204-13 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-102518-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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\BF102618\
Data File : BF110223.D
Acq On : 26 Oct 2018 21:25
Operator : JU/SJ
Sample : J5204-13 10X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-01-102518-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

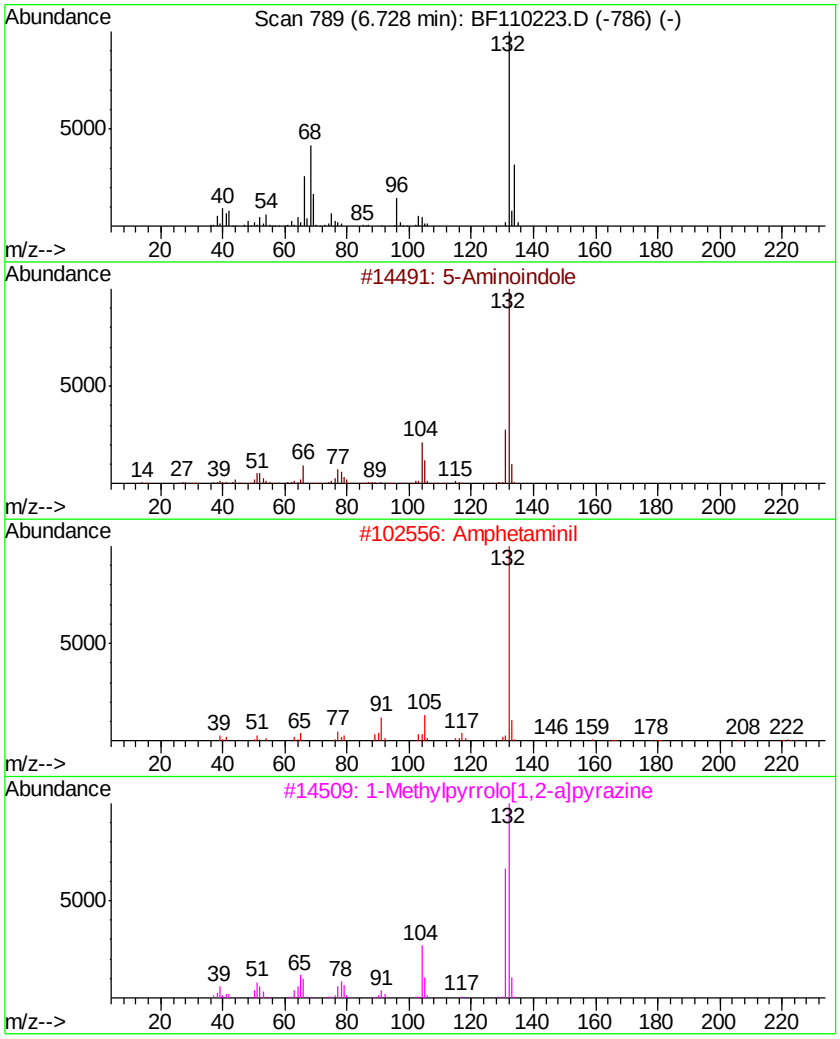
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

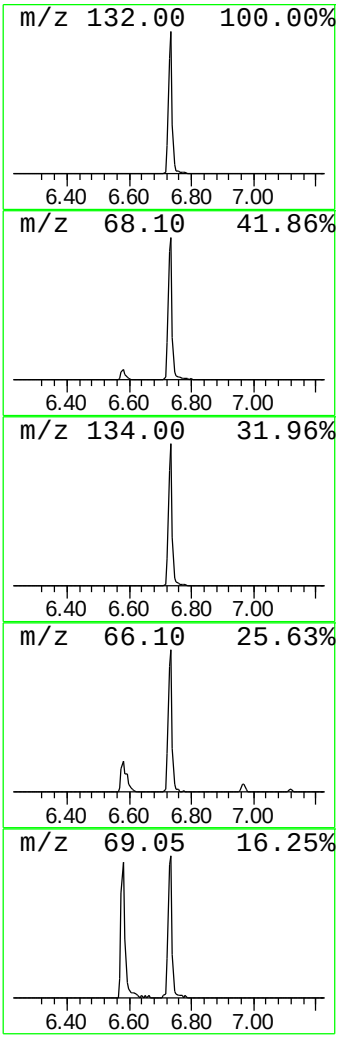
****

Peak Number 1 unknown6.73 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	12.15 ng	391551	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Aminoindole	132	C8H8N2	005192-03-0	16
2	Amphetaminil	250	C17H18N2	017590-01-1	12
3	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
4	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

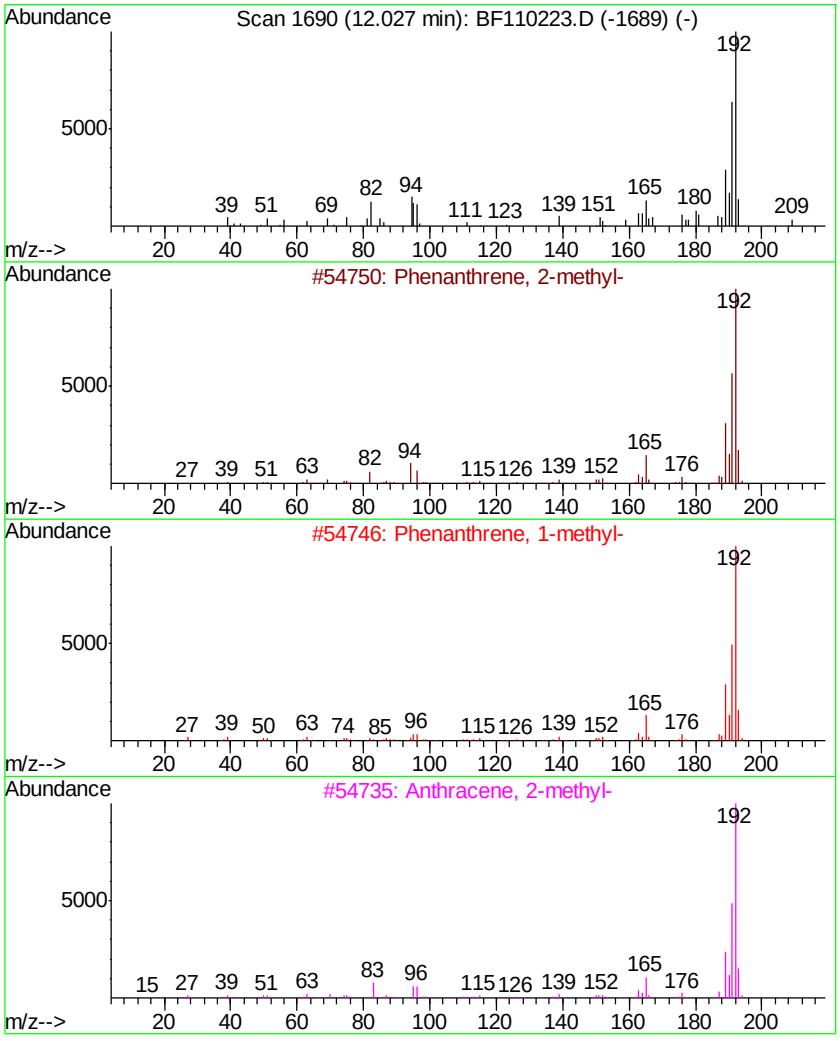
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

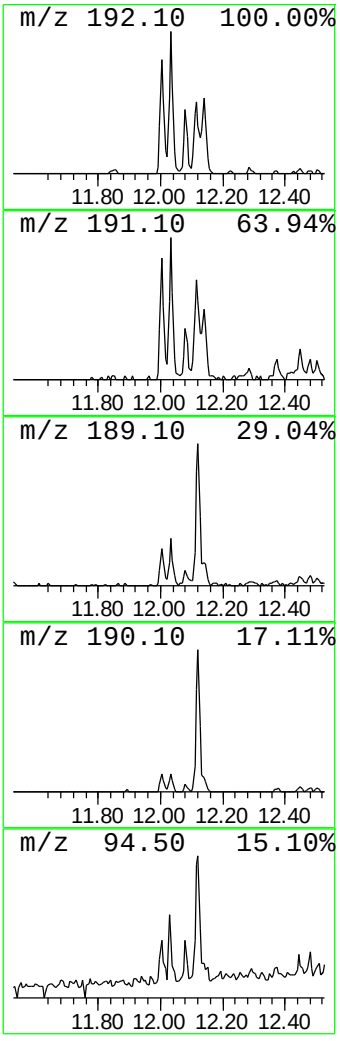
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	2.08 ng	65367	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





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ClientSampleId : SU-01-102518-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

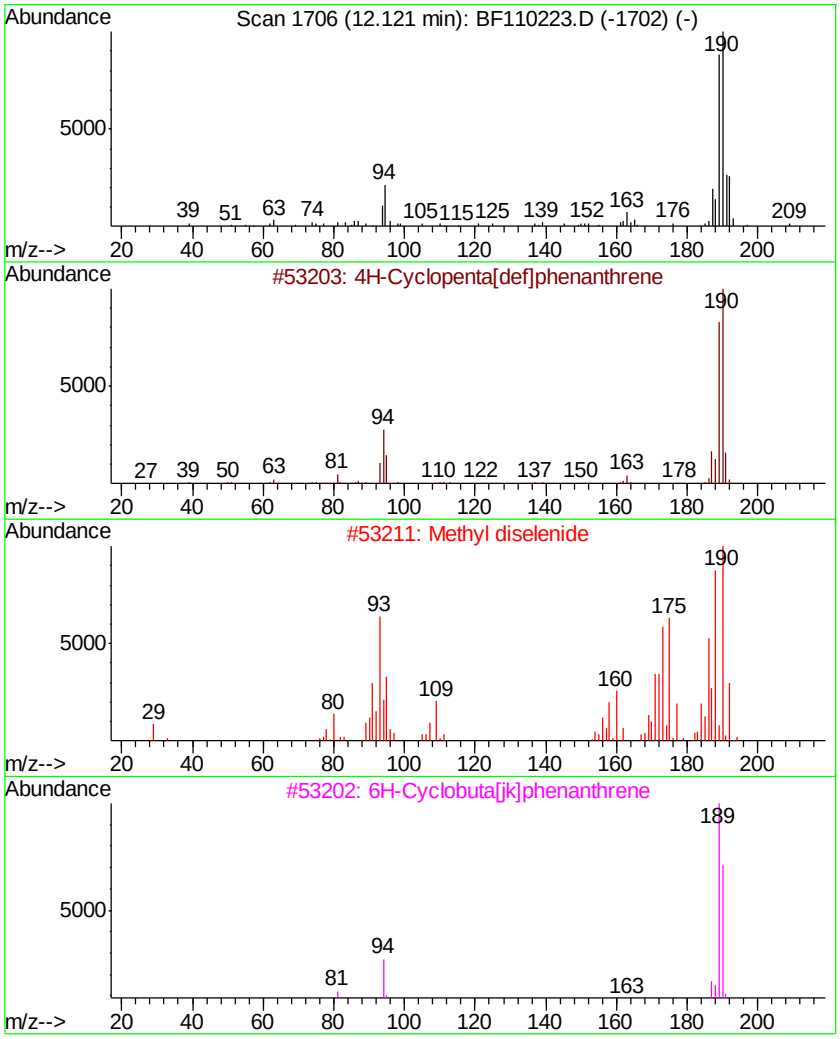
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

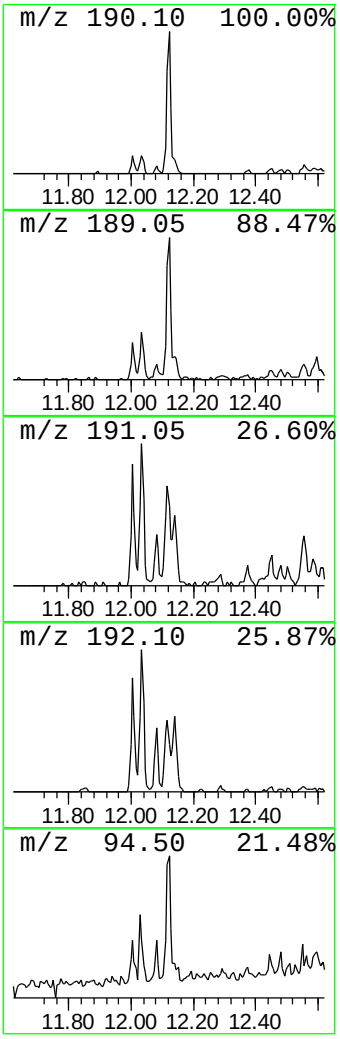
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	3.53 ng	110750	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	Methyl diselenide	190	C2H6Se2	007101-31-7	43
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	33
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33
5	Megastigmatrienone	190	C13H18O	038818-55-2	25





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

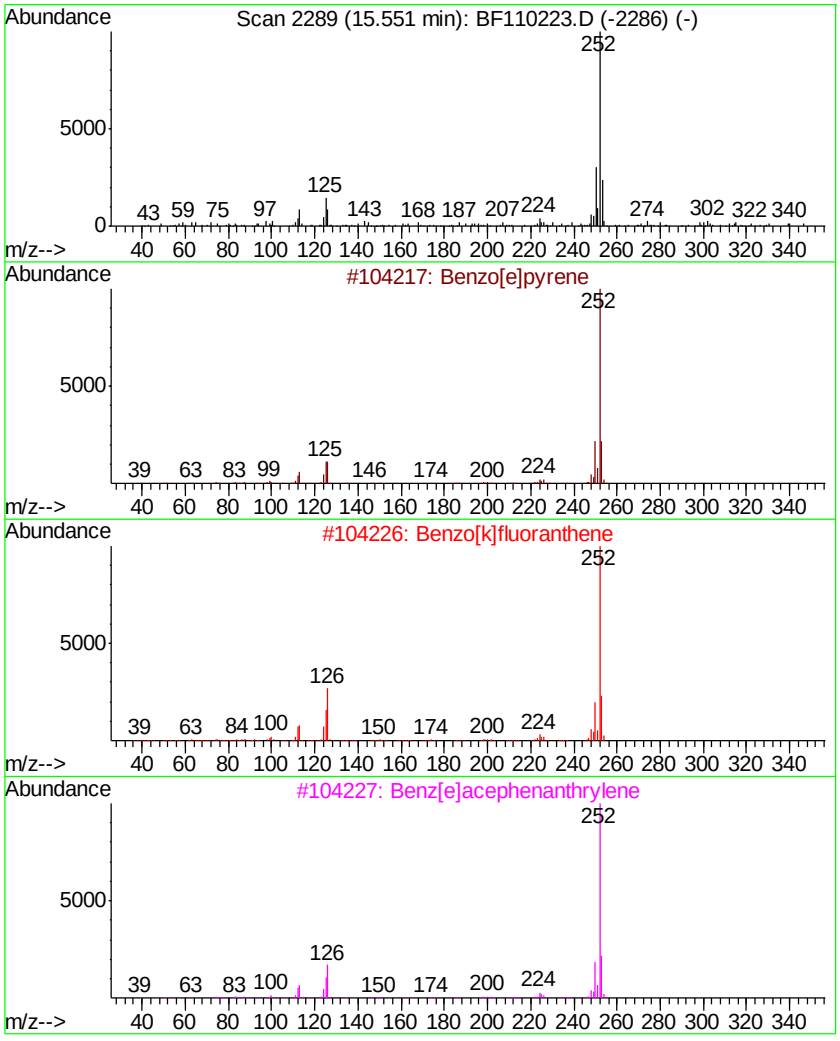
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

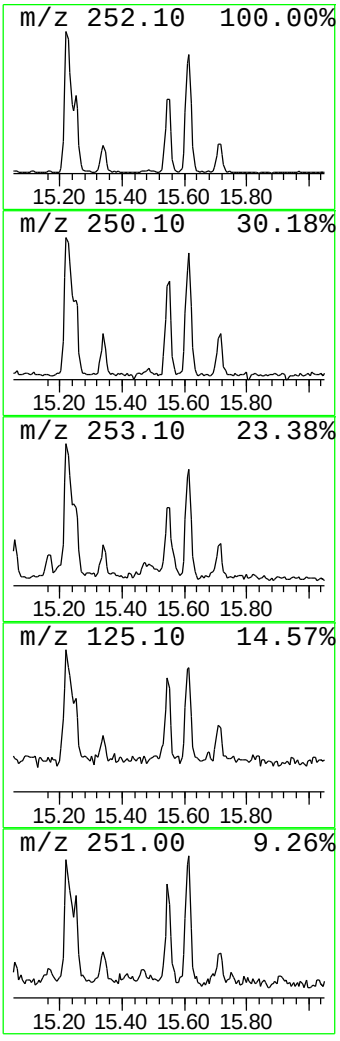
****

Peak Number 5 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	5.90 ng	106097	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Perylene	252	C20H12	000198-55-0	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102618\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.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
unknown6.73	6.73	12.2	ng	391551	1	6.97	644409	20.0
Phenanthrene, 2-m...	12.03	2.1	ng	65367	4	11.50	627951	20.0
4H-Cyclopenta[def...	12.12	3.5	ng	110750	4	11.50	627951	20.0
Benzo[e]pyrene	15.55	5.9	ng	106097	6	15.68	359420	20.0