LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
Data File : BF110122.D
Acq On : 24 Oct 2018 18:32
Operator : JU/SJ
Sample : J5198-23 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-102318-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-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	27	32	51	rVB	201075	281891	16.97%	1.213%
2	5.192	525	528	535	rBV	69964	73005	4.39%	0.314%
3	5.581	590	594	598	rBV	1750085	1555227	93.61%	6.692%
4	6.581	760	764	774	rBV	1691686	1661423	100.00%	7.149%
5	6.734	786	790	793	rBV	1966576	1621086	97.57%	6.975%
6	6.969	826	830	833	rBV	1212071	1037605	62.45%	4.465%
7	7.122	852	856	860	rBV	1556821	1253545	75.45%	5.394%
8	7.528	920	925	928	rBV	1042309	923901	55.61%	3.975%
9	8.251	1044	1048	1051	rBV	1553407	1277639	76.90%	5.498%
10	9.322	1226	1230	1240	rBV	2024152	1623151	97.70%	6.984%
11	9.663	1284	1288	1291	rBV2	27591	28832	1.74%	0.124%
12	9.716	1294	1297	1306	rVB	160742	148831	8.96%	0.640%
13	9.869	1320	1323	1328	rBV	79640	67435	4.06%	0.290%
14	9.975	1336	1341	1343	rBV2	50696	49121	2.96%	0.211%
15	10.010	1343	1347	1351	rVV2	1463627	1240167	74.64%	5.336%
16	10.039	1351	1352	1356	rVB	37237	27034	1.63%	0.116%
17	10.210	1378	1381	1384	rVB3	19111	20339	1.22%	0.088%
18	10.422	1411	1417	1422	rBV4	20660	35147	2.12%	0.151%
19	10.557	1437	1440	1447	rVB2	34902	44320	2.67%	0.191%
20	10.710	1461	1466	1474	rVB6	10361	23375	1.41%	0.101%
21	10.798	1477	1481	1492	rVV	856215	741603	44.64%	3.191%
22	10.898	1495	1498	1507	rVB6	22612	49764	3.00%	0.214%
23	11.092	1527	1531	1532	rBV2	18904	19394	1.17%	0.083%
24	11.304	1563	1567	1571	rVB	25894	23857	1.44%	0.103%
25	11.345	1571	1574	1577	rVV	25457	24875	1.50%	0.107%
26	11.398	1581	1583	1586	rVB	31922	23999	1.44%	0.103%
27	11.504	1597	1601	1603	rBV	1223472	1060107	63.81%	4.562%
28	11.527	1603	1605	1609	rVV	381988	308496	18.57%	1.327%
29	11.574	1610	1613	1617	rVV	92738	89999	5.42%	0.387%
30	11.610	1617	1619	1624	rVB2	24306	26418	1.59%	0.114%
31	11.733	1635	1640	1644	rBV	38847	52845	3.18%	0.227%
32	11.833	1654	1657	1660	rVB	32173	27450	1.65%	0.118%
33	12.004	1682	1686	1688	rBV	111725	101839	6.13%	0.438%
34	12.033	1688	1691	1695	rVB	119074	106178	6.39%	0.457%

LSC Area Percent Report

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Data File : BF110122.D
Acq On : 24 Oct 2018 18:32
Operator : JU/SJ
Sample : J5198-23 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-102318-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-BF102318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.080	1696	1699	1702	rVV2	40876	36720	2.21%	0.158%
36	12.116	1702	1705	1707	rVV2	120786	130451	7.85%	0.561%
37	12.139	1707	1709	1714	rVB	78923	62420	3.76%	0.269%
38	12.180	1714	1716	1719	rBV3	30936	29224	1.76%	0.126%
39	12.298	1733	1736	1738	rBV2	53356	44173	2.66%	0.190%
40	12.327	1738	1741	1745	rVB2	41553	43635	2.63%	0.188%
41	12.504	1769	1771	1774	rVB	33786	25639	1.54%	0.110%
42	12.551	1774	1779	1783	rBV	89708	151850	9.14%	0.653%
43	12.586	1783	1785	1788	rVV3	67434	78469	4.72%	0.338%
44	12.639	1792	1794	1798	rBV3	54675	63975	3.85%	0.275%
45	12.721	1804	1808	1811	rBV	646157	597471	35.96%	2.571%
46	12.780	1816	1818	1821	rVB	24993	19442	1.17%	0.084%
47	12.815	1821	1824	1826	rBV	46565	42425	2.55%	0.183%
48	12.868	1831	1833	1835	rVV2	34589	36088	2.17%	0.155%
49	12.892	1835	1837	1840	rVB3	34106	30464	1.83%	0.131%
50	12.951	1840	1847	1852	rBV	706910	745407	44.87%	3.207%
51	12.998	1852	1855	1859	rVB2	45286	50243	3.02%	0.216%
52	13.086	1866	1870	1873	rBV	1356538	1137253	68.45%	4.893%
53	13.163	1879	1883	1887	rBV4	60863	99980	6.02%	0.430%
54	13.274	1895	1902	1905	rBV2	100254	163691	9.85%	0.704%
55	13.304	1905	1907	1909	rVV2	33008	25951	1.56%	0.112%
56	13.339	1911	1913	1916	rVB	48897	43942	2.64%	0.189%
57	13.380	1917	1920	1923	rVV2	71171	74078	4.46%	0.319%
58	13.474	1934	1936	1939	rBV	51565	45475	2.74%	0.196%
59	13.504	1939	1941	1944	rVB	56029	52042	3.13%	0.224%
60	13.645	1963	1965	1968	rBV	41223	34794	2.09%	0.150%
61	13.786	1986	1989	1993	rVB	73243	79648	4.79%	0.343%
62	13.845	1997	1999	2002	rVB	127042	101711	6.12%	0.438%
63	13.927	2011	2013	2015	rBV	43804	31325	1.89%	0.135%
64	13.951	2015	2017	2018	rBV	42815	29444	1.77%	0.127%
65	13.974	2018	2021	2023	rBV4	68170	73578	4.43%	0.317%
66	14.151	2046	2051	2054	rBV2	1182707	1354142	81.50%	5.827%
67	14.180	2054	2056	2063	rVB	283994	256319	15.43%	1.103%
68	14.298	2073	2076	2079	rBV2	80989	85989	5.18%	0.370%
69	14.604	2126	2128	2131	rBV2	92324	83491	5.03%	0.359%
70	14.927	2181	2183	2186	rVB	95993	76833	4.62%	0.331%
71	15.233	2231	2235	2238	rBV	213498	339122	20.41%	1.459%

LSC Area Percent Report

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Acq On : 24 Oct 2018 18:32
Operator : JU/SJ
Sample : J5198-23 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-102318-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-BF102318.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.551	2287	2289	2294	rVB	133522	150626	9.07%	0.648%
73	15.621	2297	2301	2306	rVB	181681	236961	14.26%	1.020%
74	15.686	2308	2312	2316	rBV2	615788	825729	49.70%	3.553%

Sum of corrected areas: 23240118

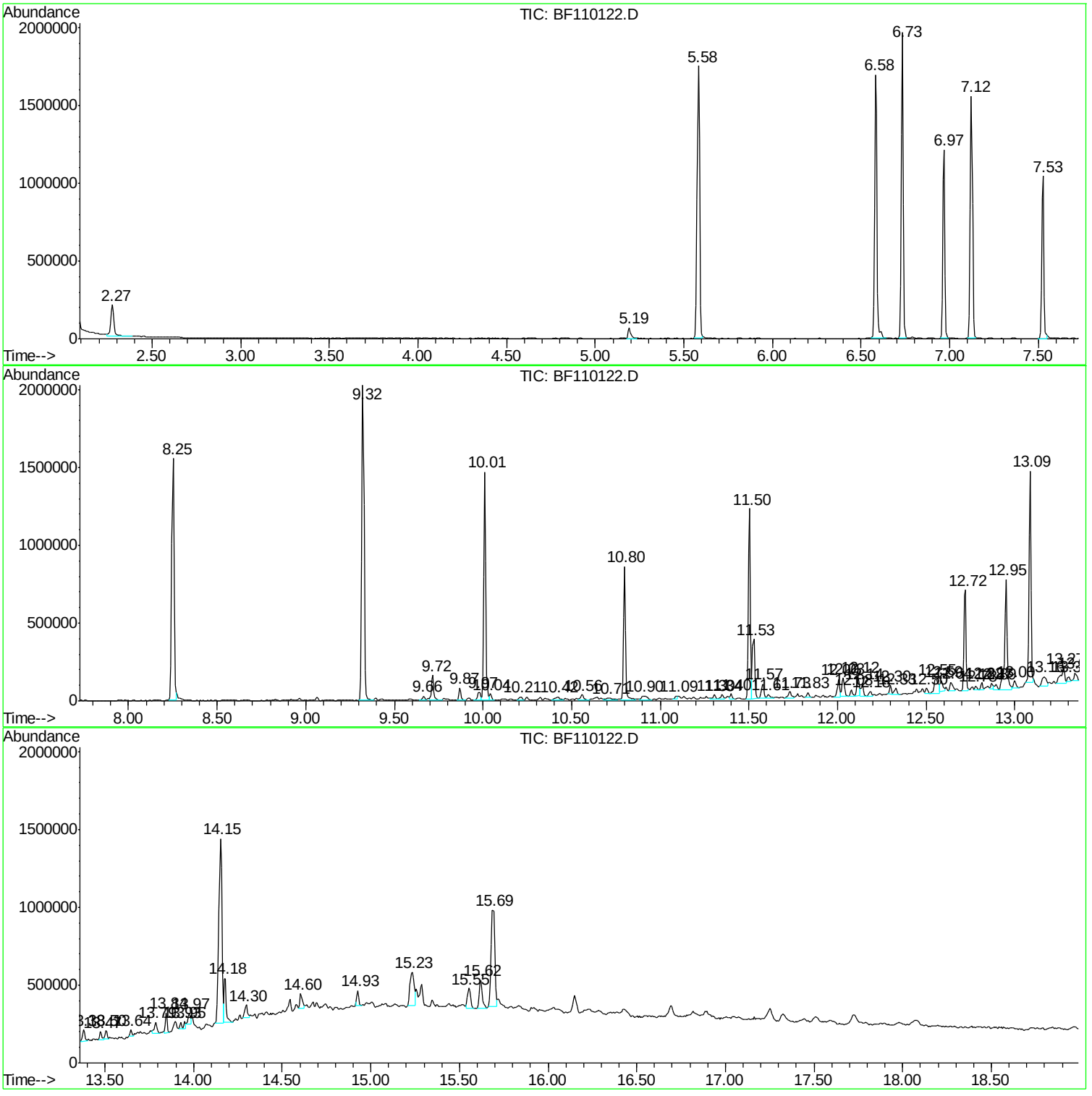
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
Data File : BF110122.D
Acq On : 24 Oct 2018 18:32
Operator : JU/SJ
Sample : J5198-23 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-102318-B

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
Data File : BF110122.D
Acq On : 24 Oct 2018 18:32
Operator : JU/SJ
Sample : J5198-23 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-102318-B

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

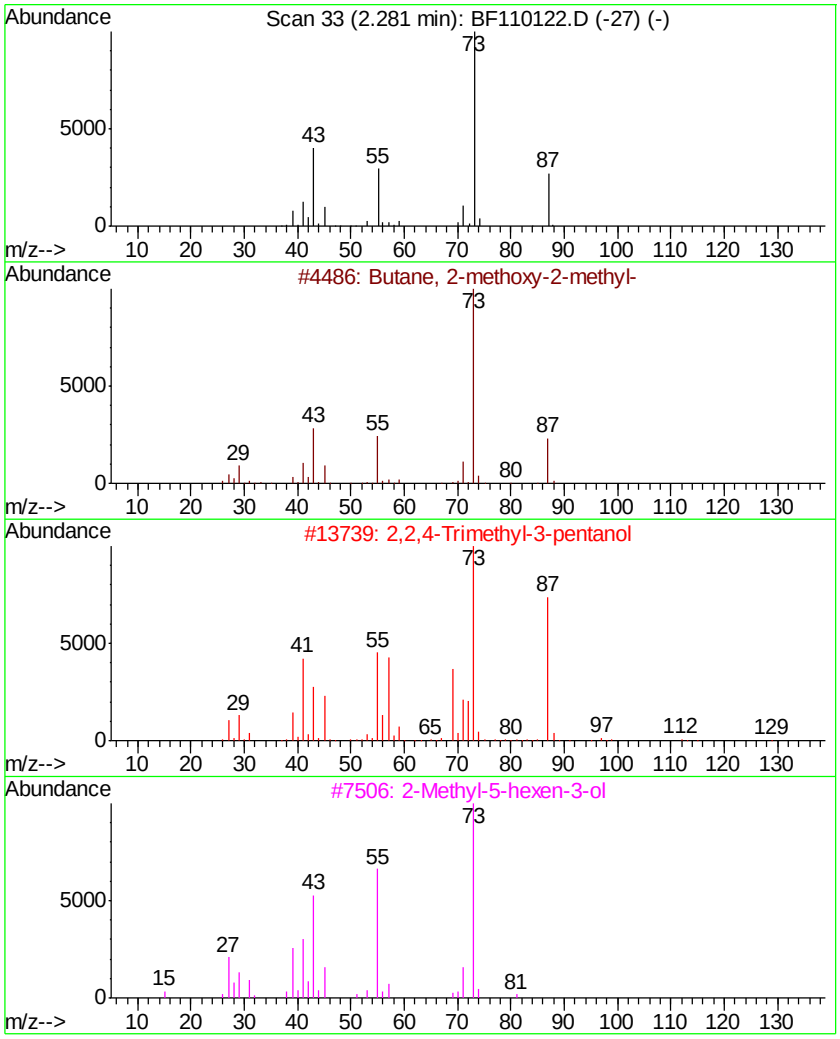
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

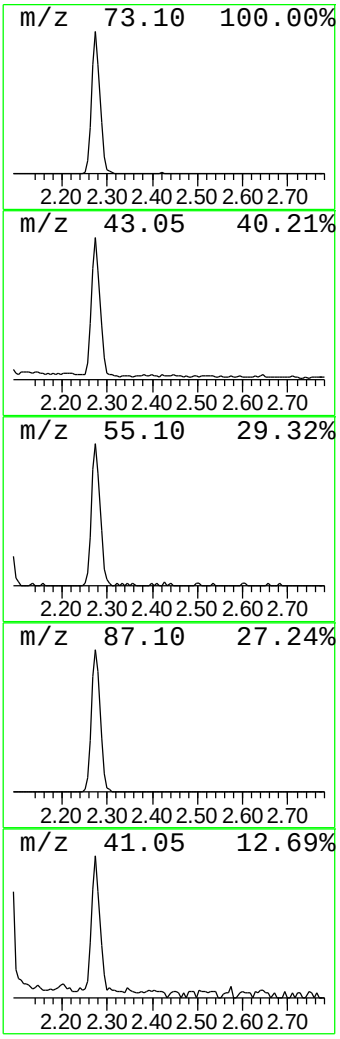
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.28	5.43 ng	281891	1,4-Dichlorobenzene-d4	6.97

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	39
3	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	38
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
Data File : BF110122.D
Acq On : 24 Oct 2018 18:32
Operator : JU/SJ
Sample : J5198-23 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-102318-B

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

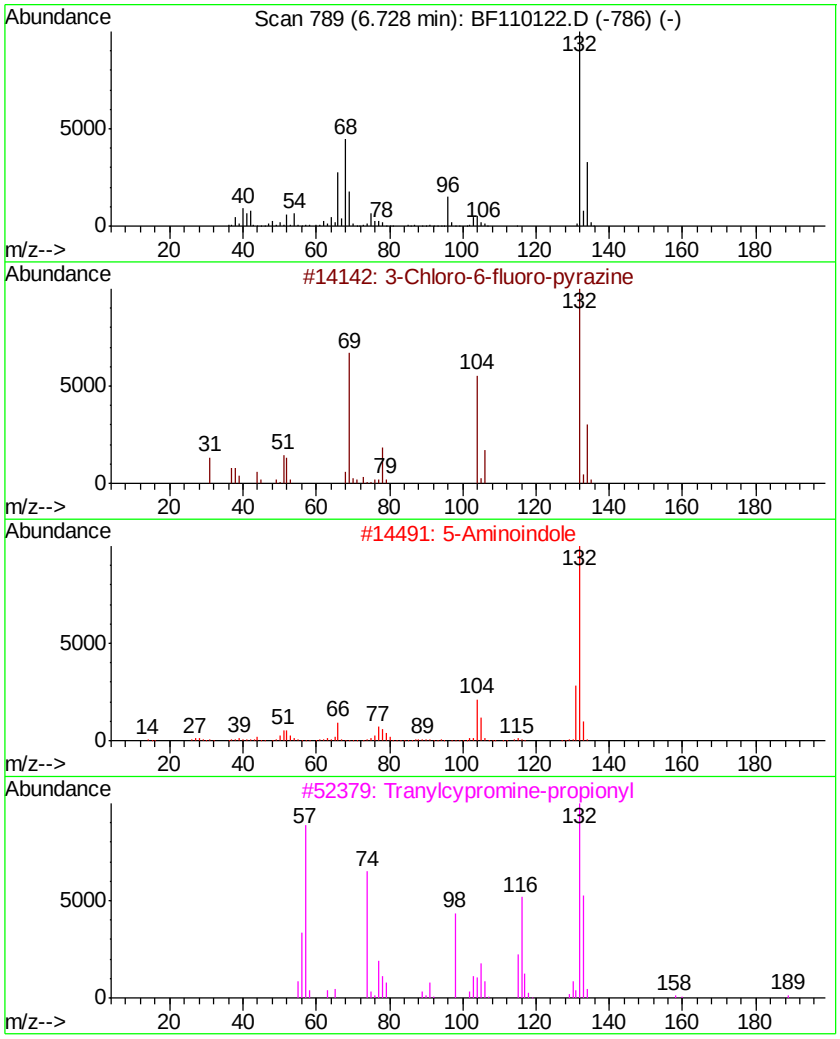
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

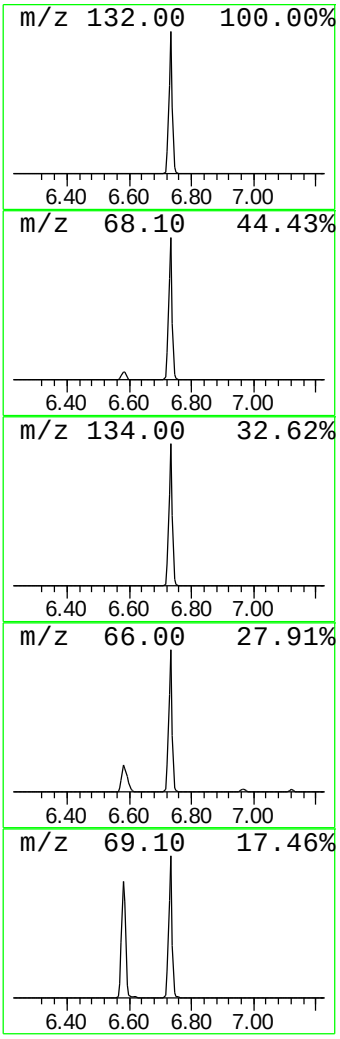
****

Peak Number 2 unknown6.73 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	31.25 ng	1621090	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
Data File : BF110122.D
Acq On : 24 Oct 2018 18:32
Operator : JU/SJ
Sample : J5198-23 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-102318-B

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

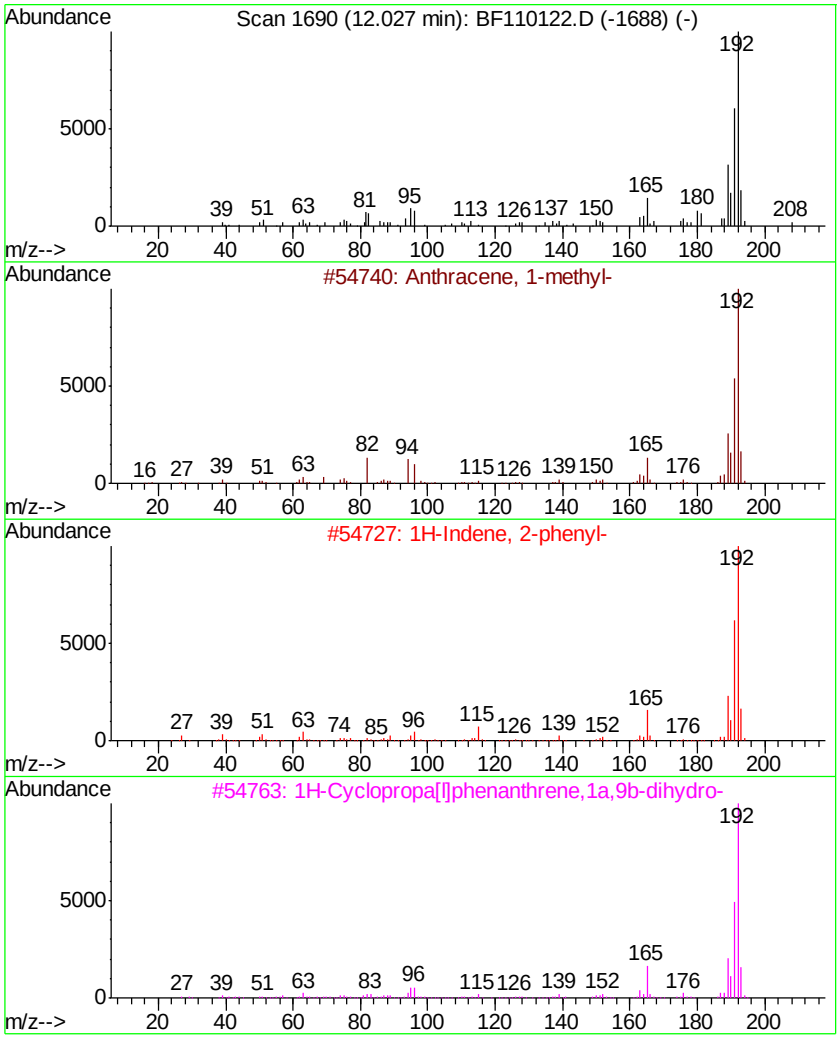
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

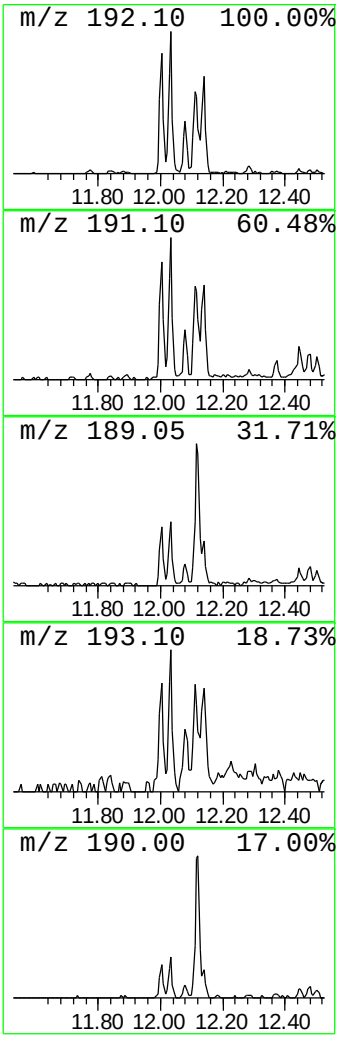
****

Peak Number 4 Anthracene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	2.00 ng	106178	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
Data File : BF110122.D
Acq On : 24 Oct 2018 18:32
Operator : JU/SJ
Sample : J5198-23 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-102318-B

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

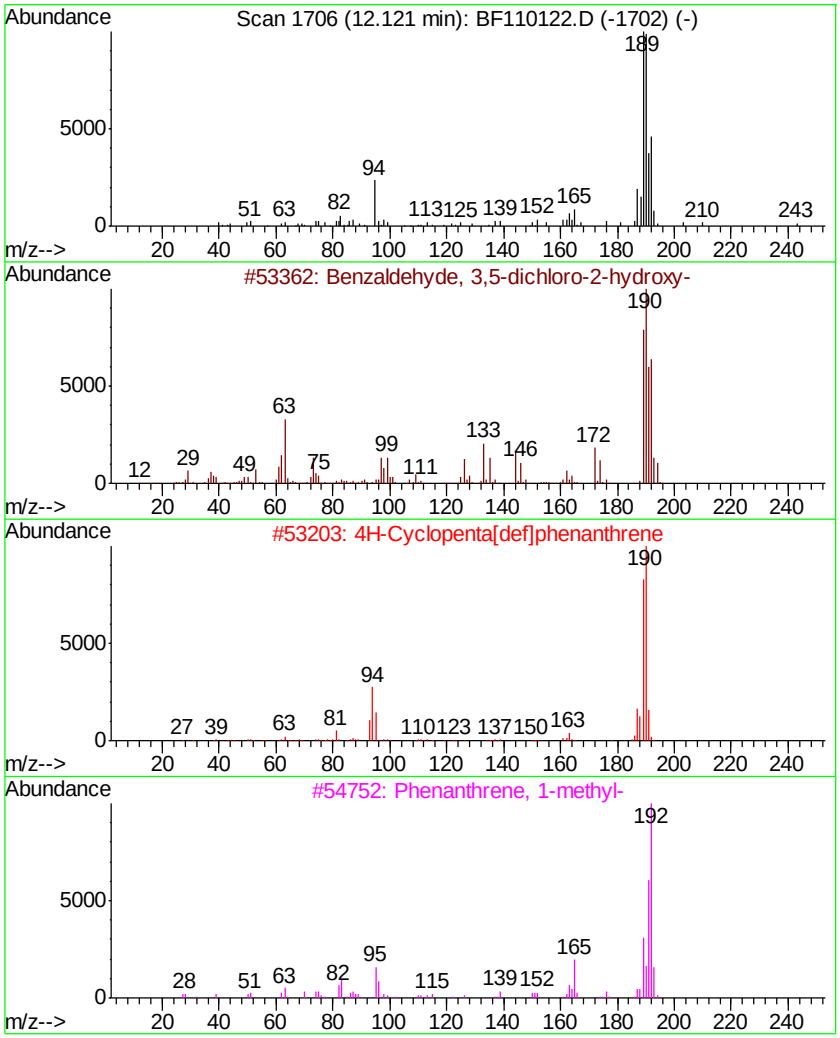
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

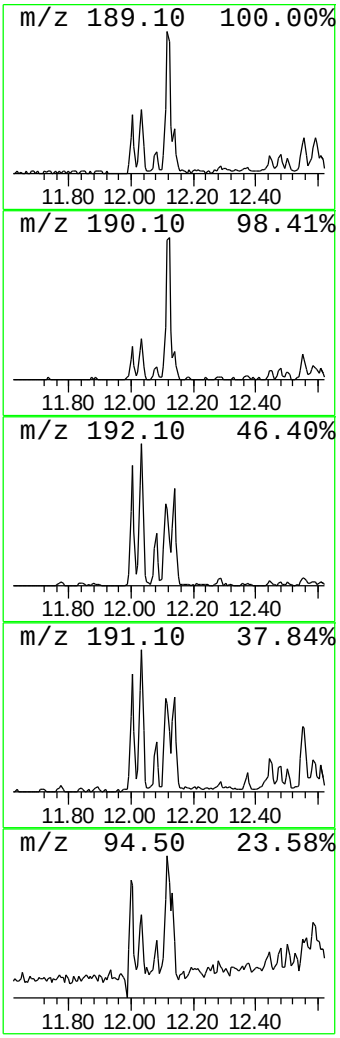
****

Peak Number 5 Benzaldehyde, 3,5-dichloro-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	2.46 ng	130451	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	55
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	46





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
Data File : BF110122.D
Acq On : 24 Oct 2018 18:32
Operator : JU/SJ
Sample : J5198-23 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-102318-B

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

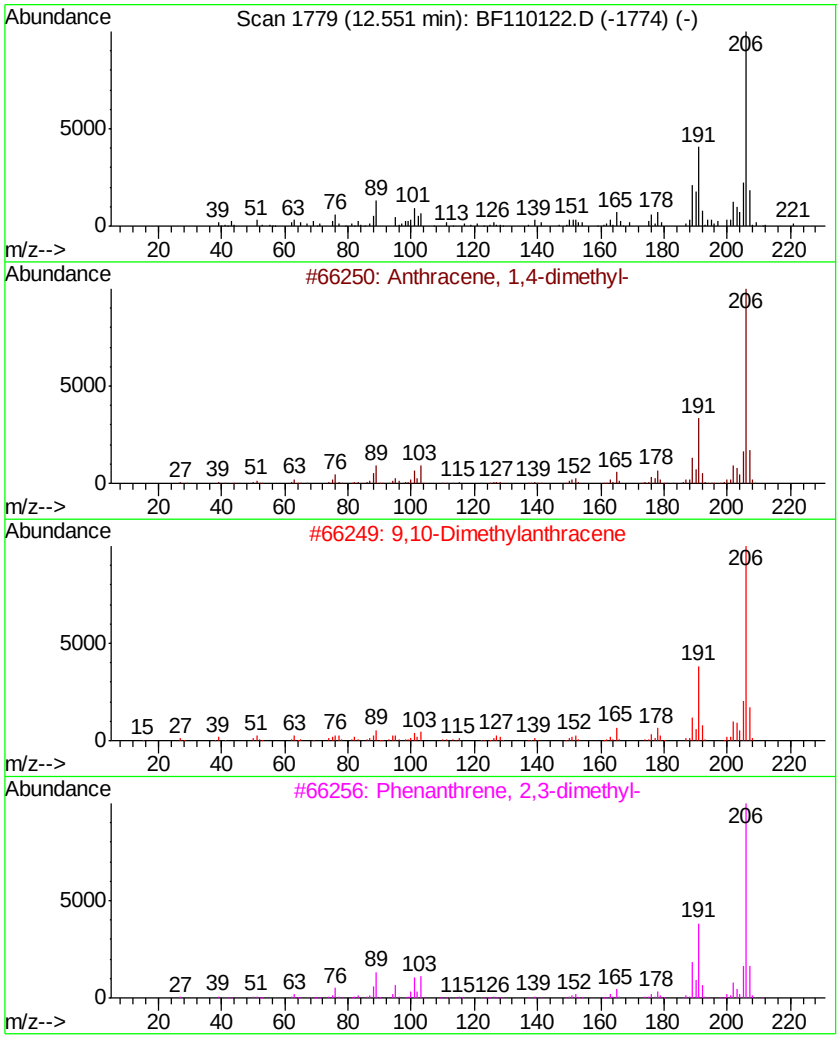
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

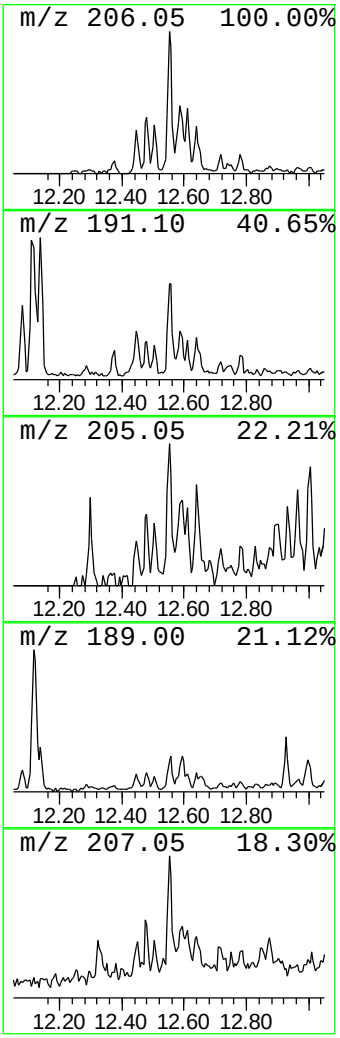
****

Peak Number 6 Anthracene, 1,4-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	2.86 ng	151850	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	89





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
Data File : BF110122.D
Acq On : 24 Oct 2018 18:32
Operator : JU/SJ
Sample : J5198-23 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-102318-B

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

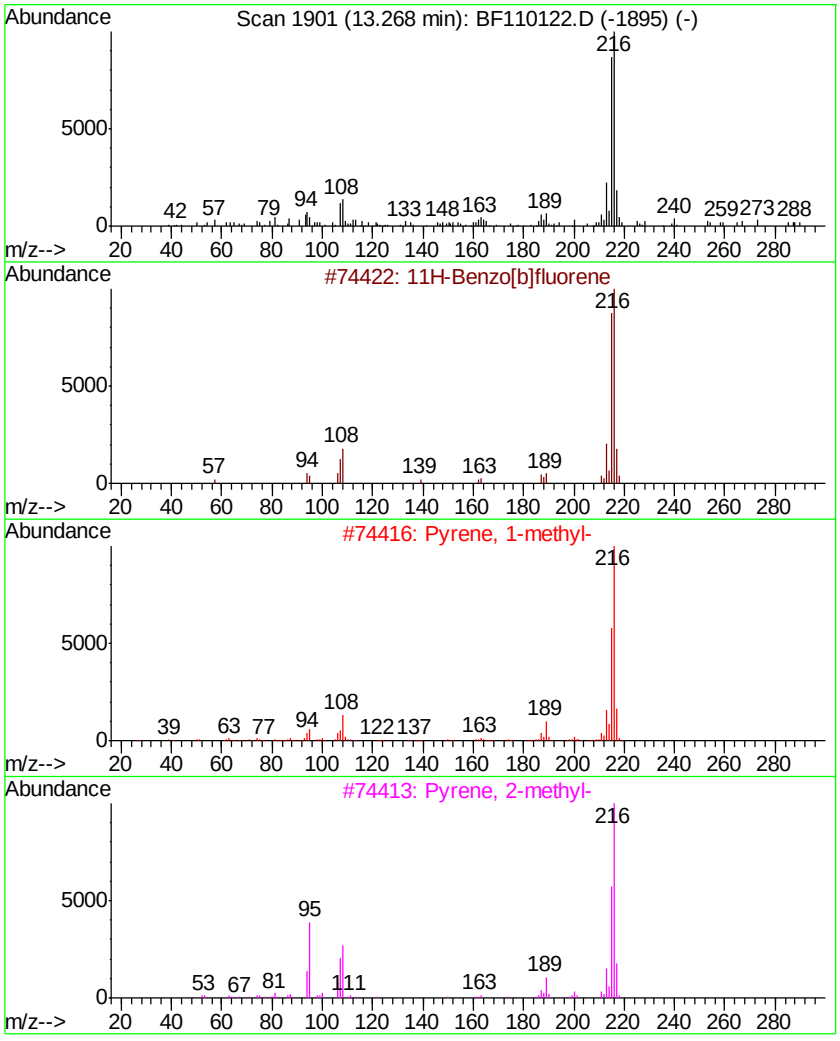
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

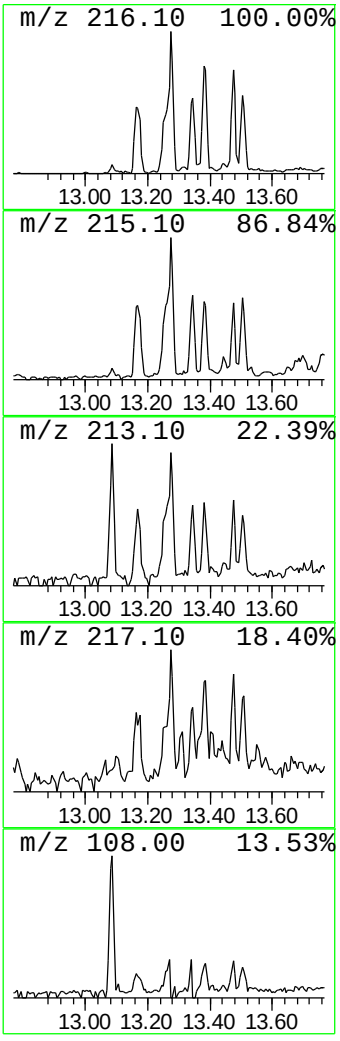
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	2.42 ng	163691	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
Data File : BF110122.D
Acq On : 24 Oct 2018 18:32
Operator : JU/SJ
Sample : J5198-23 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-102318-B

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

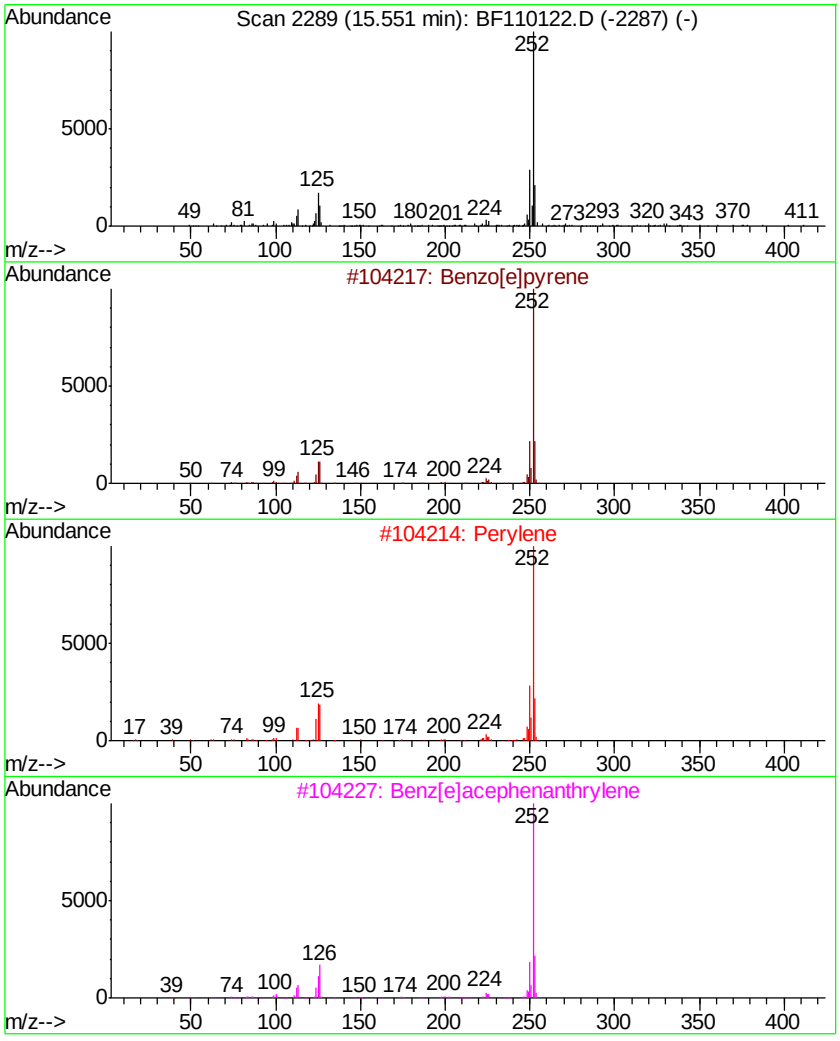
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

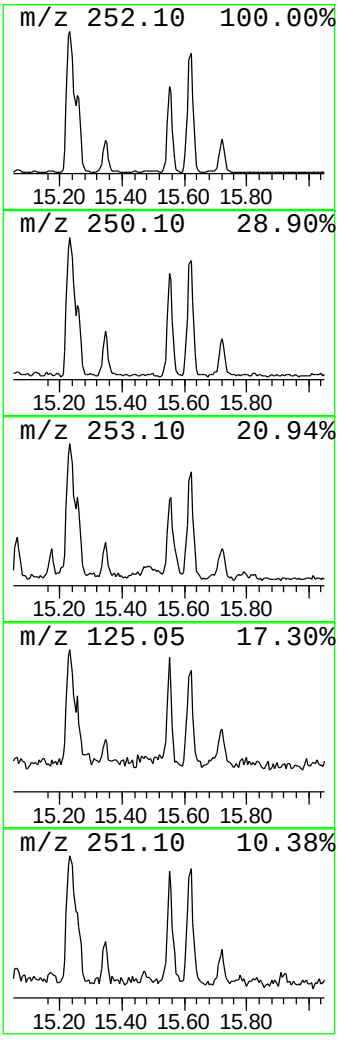
****

Peak Number 8 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	3.65 ng	150626	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Perylene	252	C20H12	000198-55-0	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	89
4	Benzo[a]pyrene	252	C20H12	000050-32-8	86
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	62





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102418\
Data File : BF110122.D
Acq On : 24 Oct 2018 18:32
Operator : JU/SJ
Sample : J5198-23 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-01-102318-B

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
Butane, 2-methoxy...	2.28	5.4	ng	281891	1	6.97	1037610	20.0
unknown6.73	6.73	31.3	ng	1621090	1	6.97	1037610	20.0
Anthracene, 1-met...	12.03	2.0	ng	106178	4	11.50	1060110	20.0
Benzaldehyde, 3,5...	12.12	2.5	ng	130451	4	11.50	1060110	20.0
Anthracene, 1,4-d...	12.55	2.9	ng	151850	4	11.50	1060110	20.0
11H-Benzo[b]fluorene	13.27	2.4	ng	163691	5	14.15	1354140	20.0
Benzo[e]pyrene	15.55	3.6	ng	150626	6	15.69	825729	20.0