LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090518\
Data File : BF108795.D
Acq On : 6 Sep 2018 00:49
Operator : JU/SJ
Sample : J4791-02 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-#11

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-BF090518.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	4.913	435	438	447	rBV	33391	36669	1.33%	0.110%
2	5.331	505	509	512	rBV	955849	824078	29.92%	2.463%
3	6.354	679	683	686	rBV	1153528	922020	33.47%	2.756%
4	6.495	703	707	711	rBV	1150988	906179	32.90%	2.709%
5	6.736	744	748	751	rVB	1895209	1661662	60.33%	4.967%
6	6.889	770	774	777	rBV	904712	713362	25.90%	2.132%
7	7.289	837	842	845	rBV	560848	503243	18.27%	1.504%
8	8.013	961	965	968	rBV	2429839	2158683	78.37%	6.452%
9	8.725	1082	1086	1090	rBV	72421	58401	2.12%	0.175%
10	8.825	1099	1103	1106	rVB	57618	43753	1.59%	0.131%
11	9.089	1144	1148	1151	rBV	1382037	1029294	37.37%	3.077%
12	9.189	1162	1165	1168	rBV	33495	27573	1.00%	0.082%
13	9.348	1189	1192	1196	rVB	23924	31123	1.13%	0.093%
14	9.425	1201	1205	1208	rBV	46862	43717	1.59%	0.131%
15	9.483	1212	1215	1217	rVV	288965	231040	8.39%	0.691%
16	9.625	1235	1239	1242	rBV	114506	94578	3.43%	0.283%
17	9.766	1258	1263	1266	rBV	2449218	2057539	74.70%	6.150%
18	9.795	1266	1268	1271	rVB	258910	182031	6.61%	0.544%
19	9.966	1294	1297	1300	rVB	120991	97923	3.56%	0.293%
20	10.083	1312	1317	1319	rBV3	20549	28018	1.02%	0.084%
21	10.142	1323	1327	1330	rVV	582862	440748	16.00%	1.317%
22	10.172	1330	1332	1337	rVV4	21915	32830	1.19%	0.098%
23	10.213	1337	1339	1342	rVB	42091	29923	1.09%	0.089%
24	10.307	1352	1355	1362	rVB	208218	169667	6.16%	0.507%
25	10.372	1362	1366	1368	rBV3	30309	36301	1.32%	0.109%
26	10.466	1380	1382	1388	rVB2	48173	43332	1.57%	0.130%
27	10.542	1391	1395	1400	rBV2	548955	448708	16.29%	1.341%
28	10.683	1413	1419	1420	rBV3	37436	52880	1.92%	0.158%
29	10.854	1442	1448	1451	rBV3	40041	60387	2.19%	0.181%
30	11.042	1478	1480	1486	rVB	59424	57174	2.08%	0.171%
31	11.101	1486	1490	1492	rBV2	30240	46741	1.70%	0.140%
32	11.136	1492	1496	1498	rVV2	108593	107647	3.91%	0.322%
33	11.160	1498	1500	1506	rVB3	32149	32660	1.19%	0.098%
34	11.242	1510	1514	1516	rVV	2092313	1946265	70.66%	5.818%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090518\
Data File : BF108795.D
Acq On : 6 Sep 2018 00:49
Operator : JU/SJ
Sample : J4791-02 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-#11

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-BF090518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.266	1516	1518	1521	rVV	1562898	1177648	42.75%	3.520%
36	11.313	1523	1526	1529	rVV	501447	393489	14.29%	1.176%
37	11.348	1529	1532	1536	rVB4	32753	35563	1.29%	0.106%
38	11.466	1546	1552	1555	rBV2	163769	183666	6.67%	0.549%
39	11.571	1568	1570	1573	rVB2	47544	40026	1.45%	0.120%
40	11.654	1581	1584	1587	rVB2	38056	39913	1.45%	0.119%
41	11.742	1595	1599	1601	rBV	177598	162016	5.88%	0.484%
42	11.766	1601	1603	1608	rVV	259229	232717	8.45%	0.696%
43	11.813	1608	1611	1614	rVV	122285	103545	3.76%	0.310%
44	11.848	1614	1617	1620	rVV	338976	360523	13.09%	1.078%
45	11.871	1620	1621	1624	rVB	134384	84428	3.07%	0.252%
46	11.960	1634	1636	1640	rVB3	38962	43677	1.59%	0.131%
47	12.036	1646	1649	1650	rBV	138097	117880	4.28%	0.352%
48	12.048	1650	1651	1658	rVB2	107991	103964	3.77%	0.311%
49	12.183	1672	1674	1677	rVB2	50596	39295	1.43%	0.117%
50	12.213	1677	1679	1681	rBV	39908	35599	1.29%	0.106%
51	12.236	1681	1683	1686	rVB3	52314	44322	1.61%	0.132%
52	12.289	1688	1692	1695	rBV2	143631	186169	6.76%	0.556%
53	12.324	1696	1698	1700	rVV2	72811	66627	2.42%	0.199%
54	12.342	1700	1701	1703	rVV2	60646	48952	1.78%	0.146%
55	12.366	1703	1705	1711	rVB3	81653	117045	4.25%	0.350%
56	12.448	1715	1719	1722	rVB	2138135	1834860	66.61%	5.485%
57	12.501	1725	1728	1732	rBV3	55617	81493	2.96%	0.244%
58	12.595	1742	1744	1749	rVB2	68792	74165	2.69%	0.222%
59	12.671	1752	1757	1760	rBV	1946951	1977574	71.80%	5.911%
60	12.718	1763	1765	1772	rVB3	98629	112165	4.07%	0.335%
61	12.789	1775	1777	1779	rBV	106682	96059	3.49%	0.287%
62	12.818	1779	1782	1789	rVB	1067156	936396	34.00%	2.799%
63	12.895	1790	1795	1797	rBV2	125857	192213	6.98%	0.575%
64	12.977	1806	1809	1810	rBV	112100	99019	3.59%	0.296%
65	13.001	1810	1813	1817	rVB	314980	308597	11.20%	0.922%
66	13.065	1821	1824	1827	rBV	271910	222437	8.08%	0.665%
67	13.101	1827	1830	1833	rBV	202268	192424	6.99%	0.575%
68	13.195	1843	1846	1849	rVB	125555	109592	3.98%	0.328%
69	13.224	1849	1851	1856	rBV	115854	122856	4.46%	0.367%
70	13.301	1861	1864	1867	rVB	198125	166933	6.06%	0.499%
71	13.501	1896	1898	1903	rVB	104329	101576	3.69%	0.304%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090518\
Data File : BF108795.D
Acq On : 6 Sep 2018 00:49
Operator : JU/SJ
Sample : J4791-02 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-#11

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-BF090518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.612	1914	1917	1920	rBV2	151789	163102	5.92%	0.488%
73	13.642	1920	1922	1924	rVV	147191	127313	4.62%	0.381%
74	13.665	1924	1926	1930	rVB2	103631	113365	4.12%	0.339%
75	13.707	1930	1933	1935	rBV2	105420	89111	3.24%	0.266%
76	13.865	1955	1960	1962	rBV2	2162774	2754439	100.00%	8.233%
77	13.889	1962	1964	1967	rVB	823845	624002	22.65%	1.865%
78	13.971	1975	1978	1981	rBV	138560	117615	4.27%	0.352%
79	14.871	2127	2131	2134	rBV	654357	932640	33.86%	2.788%
80	14.971	2145	2148	2151	rVB	239667	233819	8.49%	0.699%
81	15.154	2176	2179	2184	rVB	373546	409104	14.85%	1.223%
82	15.207	2185	2188	2192	rVB	517524	561543	20.39%	1.678%
83	15.271	2194	2199	2202	rBV	1042888	1233839	44.79%	3.688%
84	16.612	2424	2427	2436	rVB2	215703	399469	14.50%	1.194%
85	17.018	2492	2496	2502	rVB2	176916	294255	10.68%	0.880%

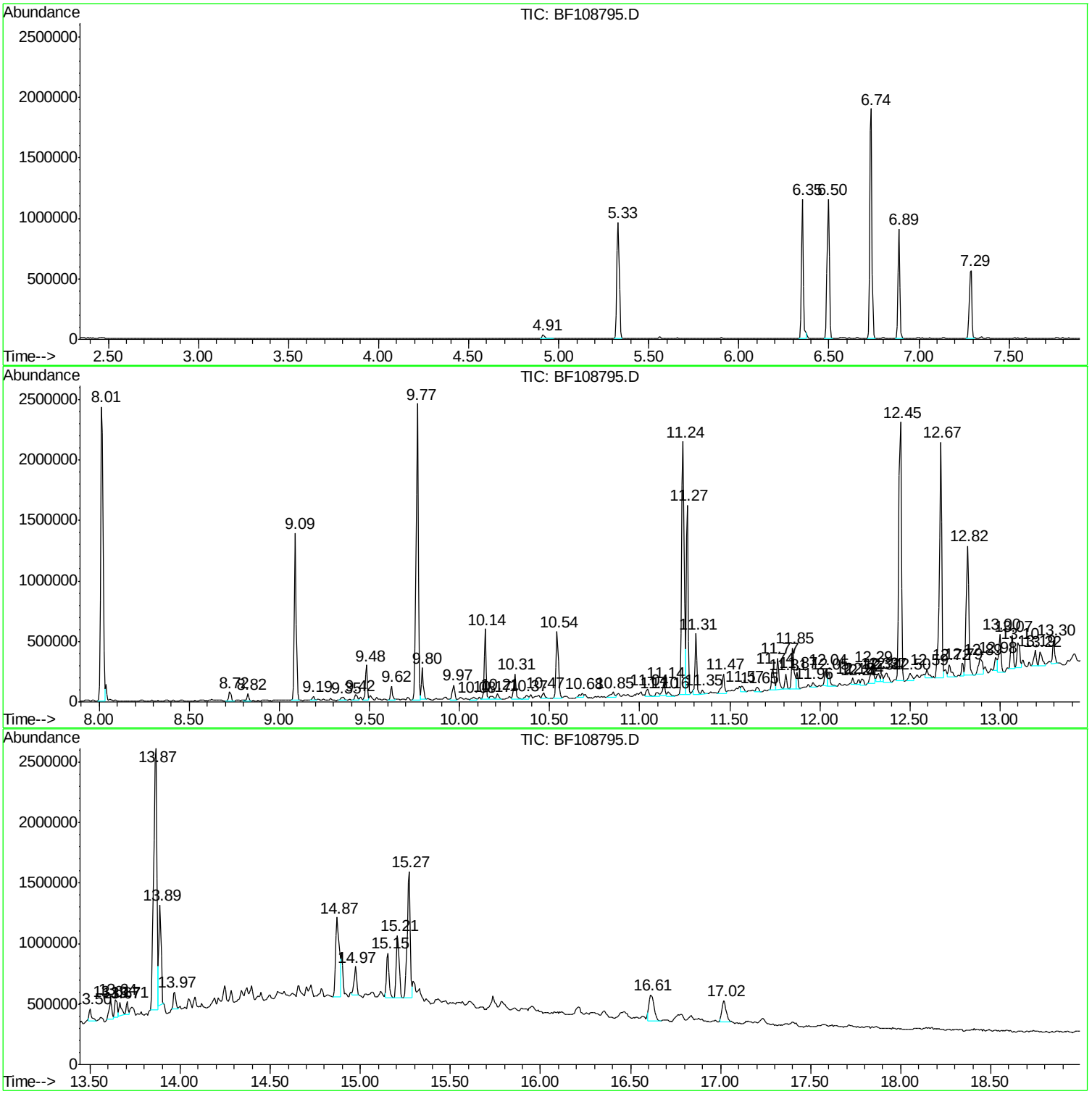
Sum of corrected areas: 33455188

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090518\
Data File : BF108795.D
Acq On : 6 Sep 2018 00:49
Operator : JU/SJ
Sample : J4791-02 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DOCUMENTATION-#11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.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\BF090518\
Data File : BF108795.D
Acq On : 6 Sep 2018 00:49
Operator : JU/SJ
Sample : J4791-02 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-#11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

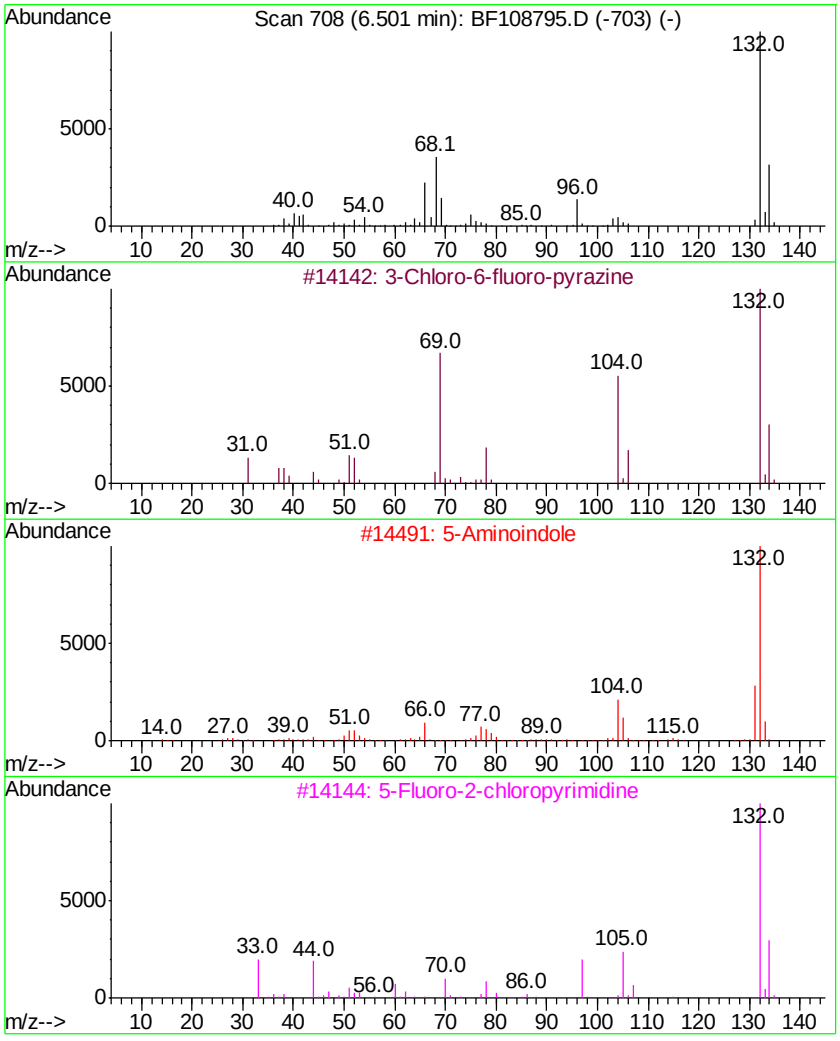
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

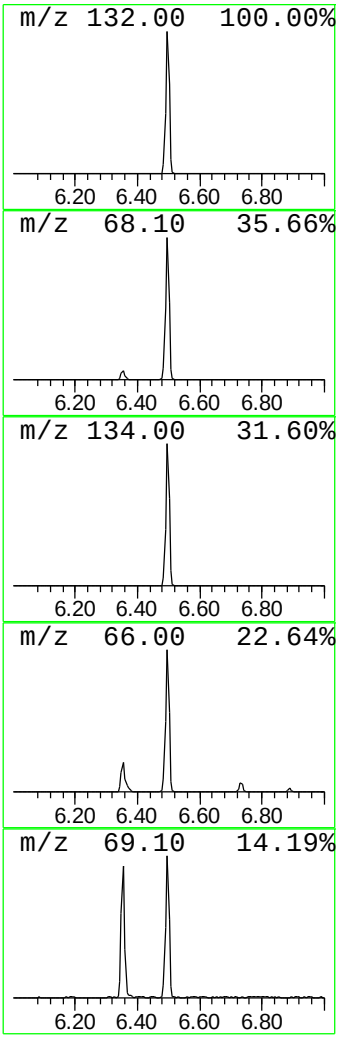
****

Peak Number 1 unknown6.50 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	10.91 ng	906179	1,4-Dichlorobenzene-d4	6.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
4	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090518\
Data File : BF108795.D
Acq On : 6 Sep 2018 00:49
Operator : JU/SJ
Sample : J4791-02 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-#11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

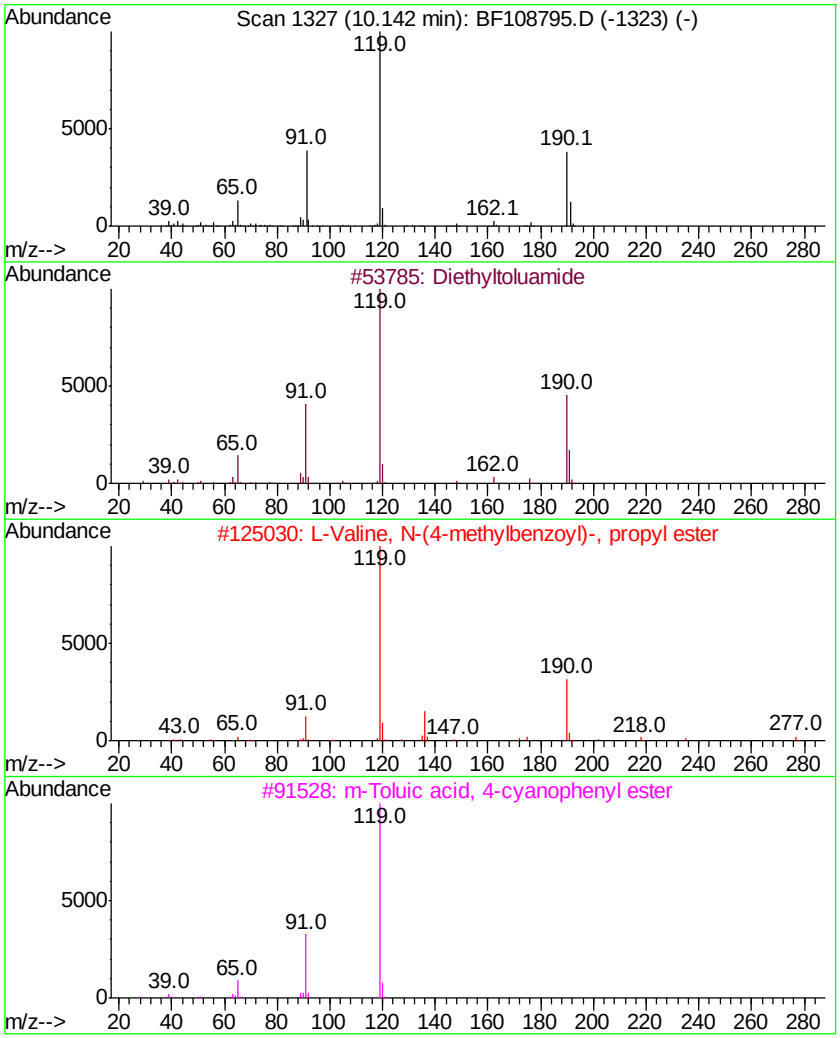
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

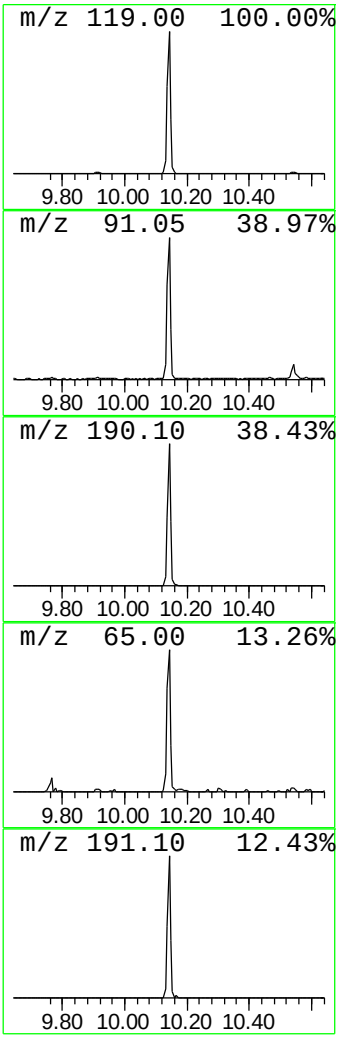
****

Peak Number 3 Diethyltoluamide Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.14	4.28 ng	440748	Acenaphthene-d10	9.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethyltoluamide	191	C12H17NO	000134-62-3	97
2	L-Valine, N-(4-methylbenzoyl)-, ...	277	C16H23NO3	1000346-63-8	72
3	m-Toluic acid, 4-cyanophenyl ester	237	C15H11NO2	1000307-56-9	52
4	4'-Methylpropiophenone	148	C10H12O	005337-93-9	50
5	o-Toluic acid, 4-cyanophenyl ester	237	C15H11NO2	1000307-45-8	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090518\
Data File : BF108795.D
Acq On : 6 Sep 2018 00:49
Operator : JU/SJ
Sample : J4791-02 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-#11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

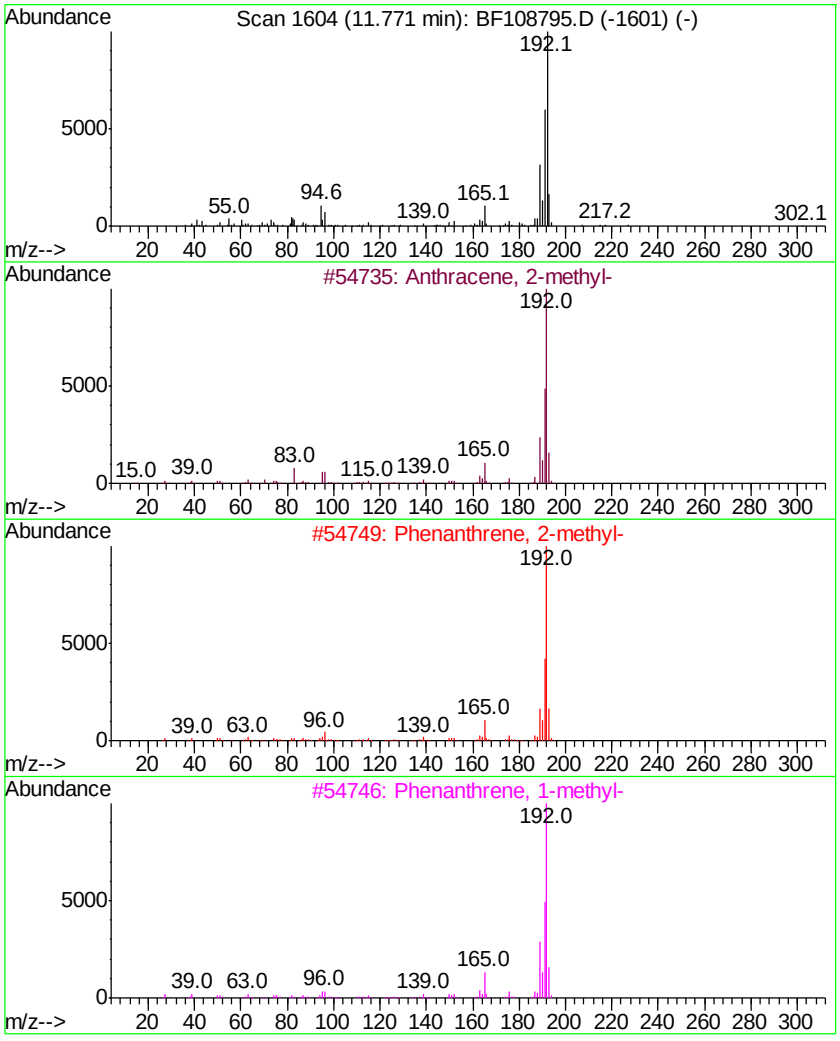
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

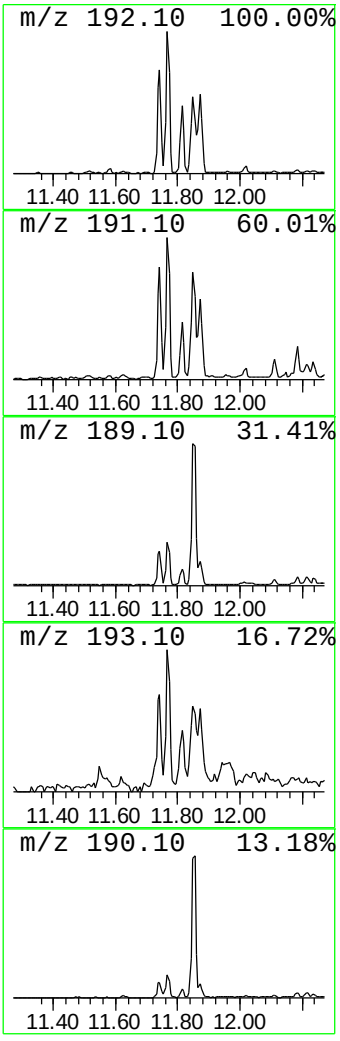
****

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	2.39 ng	232717	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090518\
Data File : BF108795.D
Acq On : 6 Sep 2018 00:49
Operator : JU/SJ
Sample : J4791-02 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-#11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

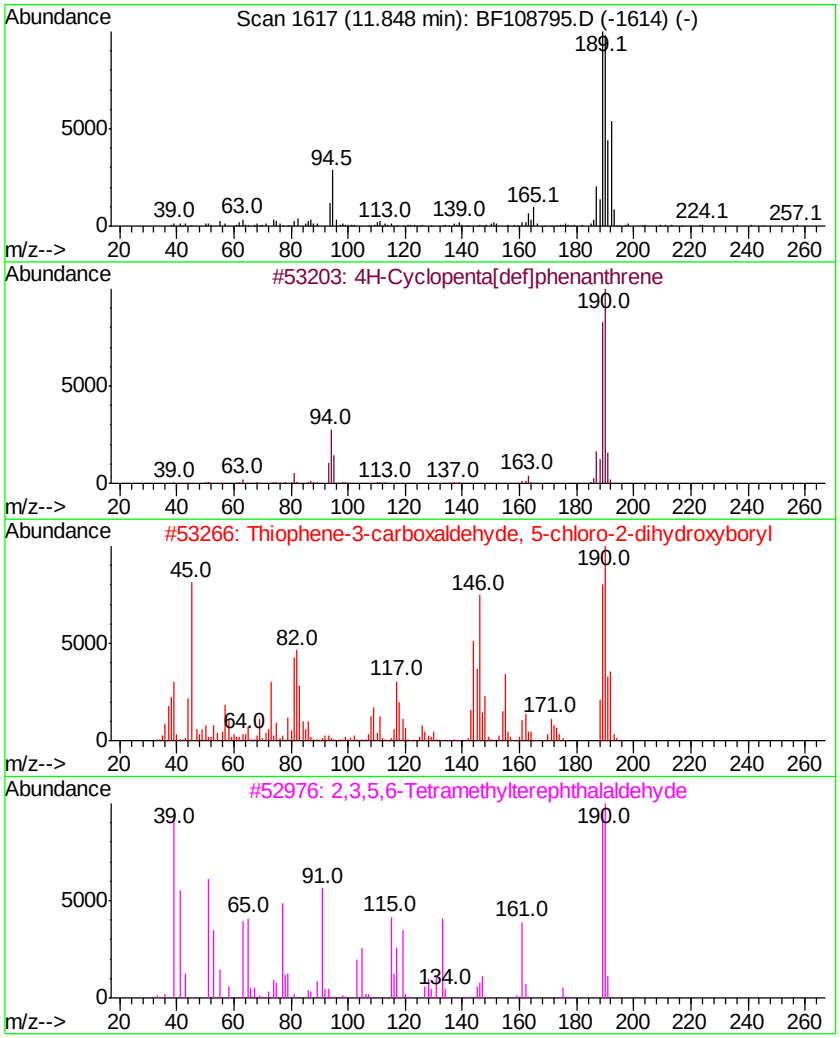
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

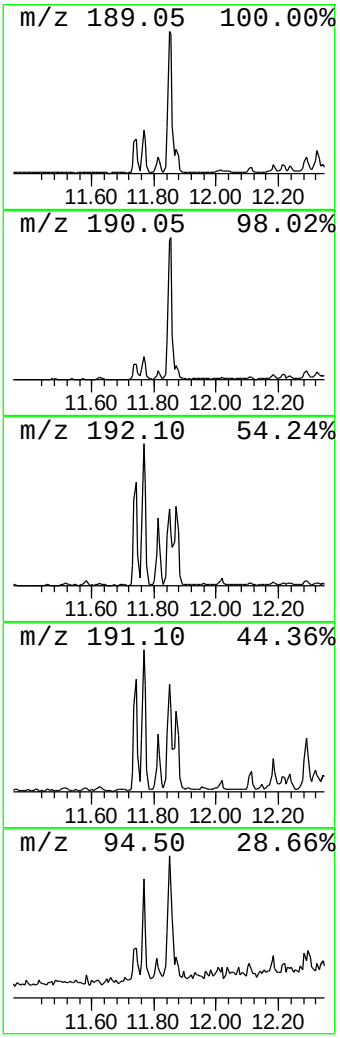
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	3.70 ng	360523	Phenanthrene-d10	11.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	38
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	15





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090518\
Data File : BF108795.D
Acq On : 6 Sep 2018 00:49
Operator : JU/SJ
Sample : J4791-02 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-#11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

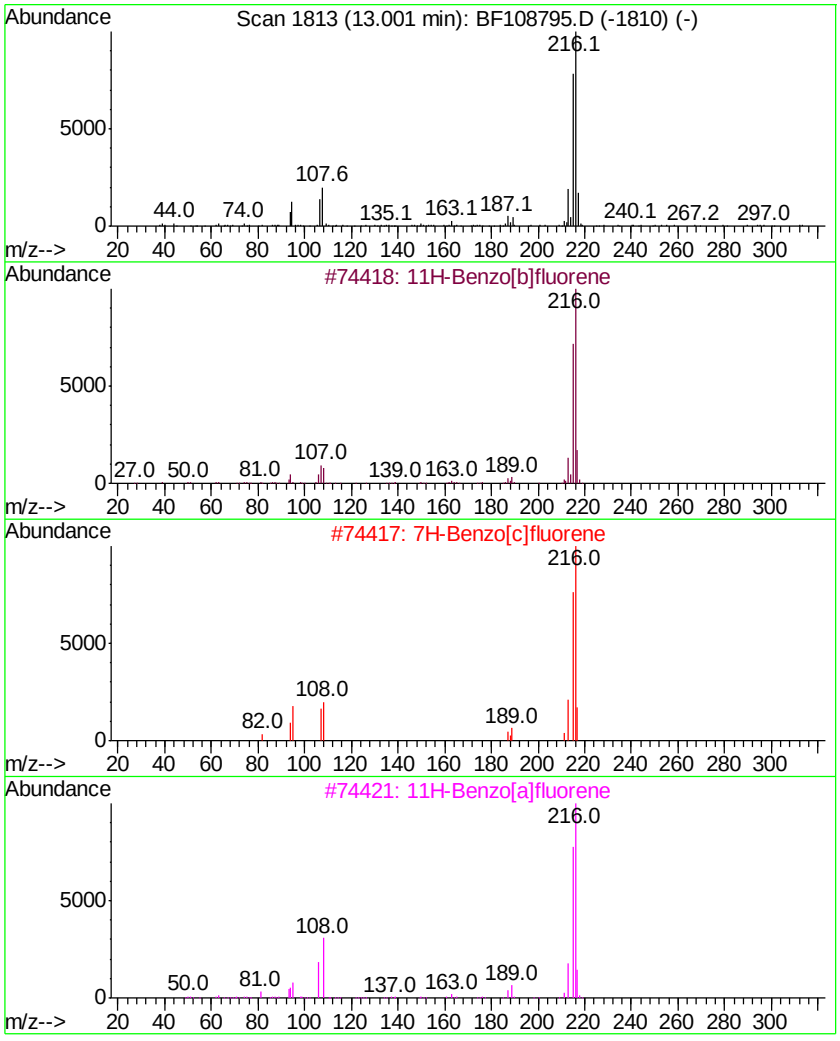
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

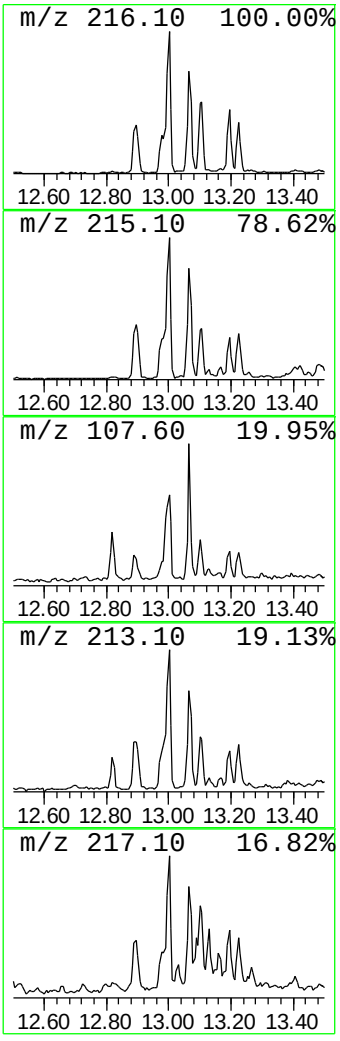
****

Peak Number 6 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	2.24 ng	308597	Chrysene-d12	13.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	80
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	68





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090518\
Data File : BF108795.D
Acq On : 6 Sep 2018 00:49
Operator : JU/SJ
Sample : J4791-02 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-#11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

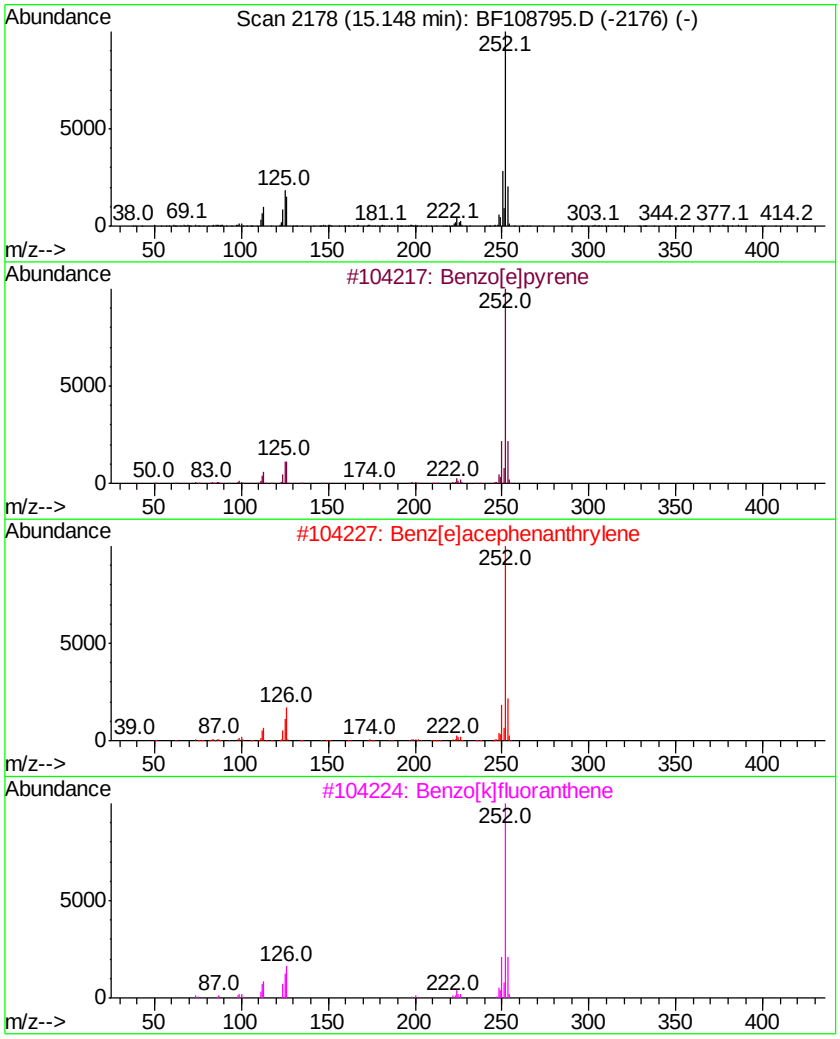
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

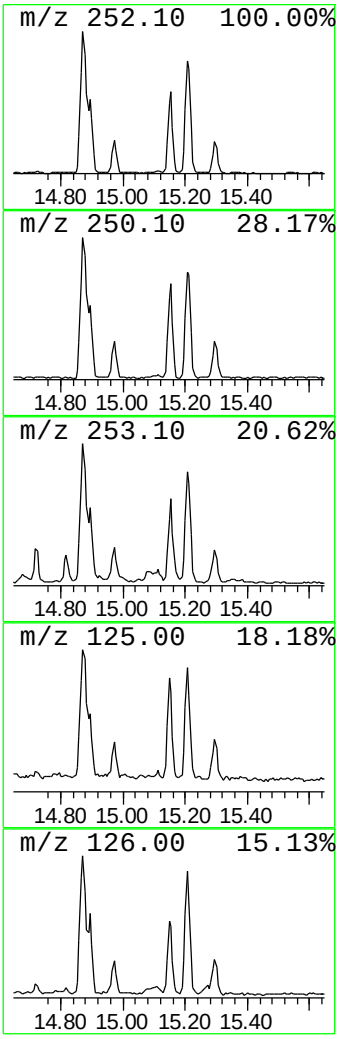
****

Peak Number 8 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.15	6.63 ng	409104	Perylene-d12	15.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
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\BF090518\
Data File : BF108795.D
Acq On : 6 Sep 2018 00:49
Operator : JU/SJ
Sample : J4791-02 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DOCUMENTATION-#11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.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
unknown6.50	6.50	10.9	ng	906179	1	6.74	1661660	20.0
Diethyltoluamide	10.14	4.3	ng	440748	3	9.77	2057540	20.0
Anthracene, 2-met...	11.77	2.4	ng	232717	4	11.24	1946270	20.0
4H-Cyclopenta[def...	11.85	3.7	ng	360523	4	11.24	1946270	20.0
11H-Benzo[b]fluorene	13.00	2.2	ng	308597	5	13.87	2754440	20.0
Benzo[e]pyrene	15.15	6.6	ng	409104	6	15.27	1233840	20.0