LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083019\
Data File : BF116682.D
Acq On : 31 Aug 2019 6:01
Operator : HP/JU
Sample : K4516-20 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T2-S-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-BF083019.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	5.451	568	572	577	rBV	518146	472706	30.24%	2.691%
2	6.463	741	744	750	rBV	651384	524068	33.53%	2.983%
3	6.610	765	769	773	rBV	666598	538136	34.43%	3.063%
4	6.845	806	809	813	rBV	830379	637521	40.79%	3.629%
5	7.004	832	836	839	rBV	471527	389333	24.91%	2.216%
6	7.398	899	903	909	rBV	404501	318984	20.41%	1.816%
7	8.128	1023	1027	1030	rBV	1145245	860926	55.08%	4.901%
8	8.839	1144	1148	1152	rBV2	32312	26893	1.72%	0.153%
9	8.881	1152	1155	1163	rBV	19090	26726	1.71%	0.152%
10	9.198	1206	1209	1213	rBV	667121	519478	33.24%	2.957%
11	9.539	1263	1267	1270	rBV	23374	19892	1.27%	0.113%
12	9.592	1273	1276	1279	rVB	90873	69166	4.43%	0.394%
13	9.739	1296	1301	1303	rBV2	18825	19198	1.23%	0.109%
14	9.781	1303	1308	1312	rVB5	12130	16147	1.03%	0.092%
15	9.881	1321	1325	1328	rBV	1206684	947355	60.61%	5.393%
16	10.663	1454	1458	1462	rBV	284770	253716	16.23%	1.444%
17	11.163	1538	1543	1547	rVB	16901	16192	1.04%	0.092%
18	11.363	1573	1577	1579	rBV	894303	830897	53.16%	4.730%
19	11.386	1579	1581	1584	rVV	244805	192081	12.29%	1.093%
20	11.433	1584	1589	1591	rVV	54402	54219	3.47%	0.309%
21	11.586	1611	1615	1617	rBV2	16933	20185	1.29%	0.115%
22	11.863	1658	1662	1664	rBV	45635	47576	3.04%	0.271%
23	11.886	1664	1666	1669	rVV	132123	112470	7.20%	0.640%
24	11.922	1669	1672	1677	rVV	90070	93074	5.96%	0.530%
25	11.975	1677	1681	1683	rVV	71526	81249	5.20%	0.463%
26	11.992	1683	1684	1687	rVB	34349	26271	1.68%	0.150%
27	12.157	1709	1712	1713	rBV	36365	30851	1.97%	0.176%
28	12.175	1713	1715	1719	rVB	60393	49125	3.14%	0.280%
29	12.304	1735	1737	1740	rBV3	16269	15793	1.01%	0.090%
30	12.410	1752	1755	1758	rBV2	39893	40017	2.56%	0.228%
31	12.445	1759	1761	1764	rVV4	21567	27782	1.78%	0.158%
32	12.492	1766	1769	1774	rVB	59405	63335	4.05%	0.361%
33	12.569	1778	1782	1786	rVV	857246	779883	49.90%	4.439%
34	12.627	1786	1792	1796	rVV7	17972	29923	1.91%	0.170%

LSC Area Percent Report

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Acq On : 31 Aug 2019 6:01
Operator : HP/JU
Sample : K4516-20 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T2-S-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-BF083019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.669	1796	1799	1801	rVV4	37355	31981	2.05%	0.182%
36	12.692	1801	1803	1806	rVV3	30573	35369	2.26%	0.201%
37	12.722	1806	1808	1811	rVV	25012	23951	1.53%	0.136%
38	12.798	1815	1821	1824	rBV	842944	835841	53.48%	4.758%
39	12.845	1827	1829	1835	rVB2	32781	35663	2.28%	0.203%
40	12.916	1838	1841	1842	rBV	54597	43994	2.81%	0.250%
41	12.939	1842	1845	1851	rVB	430020	394569	25.25%	2.246%
42	13.016	1853	1858	1861	rBV2	69932	118731	7.60%	0.676%
43	13.098	1870	1872	1874	rBV2	52820	54254	3.47%	0.309%
44	13.121	1874	1876	1880	rVB	94924	93360	5.97%	0.531%
45	13.192	1885	1888	1890	rBV	52811	57214	3.66%	0.326%
46	13.227	1891	1894	1897	rBV2	94385	98379	6.29%	0.560%
47	13.322	1908	1910	1912	rVB	52923	35056	2.24%	0.200%
48	13.351	1913	1915	1919	rVV2	46571	39564	2.53%	0.225%
49	13.416	1924	1926	1929	rBV3	37787	33924	2.17%	0.193%
50	13.574	1951	1953	1955	rBV3	28233	30634	1.96%	0.174%
51	13.627	1959	1962	1969	rVB	174563	203708	13.03%	1.160%
52	13.739	1977	1981	1984	rBV2	101862	142972	9.15%	0.814%
53	13.769	1984	1986	1988	rVV	90404	82629	5.29%	0.470%
54	13.792	1988	1990	1994	rVV2	97600	136525	8.74%	0.777%
55	13.833	1994	1997	2003	rVB	201962	227897	14.58%	1.297%
56	13.986	2018	2023	2027	rBV3	912431	1562941	100.00%	8.897%
57	14.021	2027	2029	2034	rVB	634522	550501	35.22%	3.134%
58	14.098	2040	2042	2045	rBV	85680	65141	4.17%	0.371%
59	14.204	2058	2060	2065	rBV2	91714	101069	6.47%	0.575%
60	14.380	2087	2090	2092	rVB	115685	111611	7.14%	0.635%
61	14.410	2093	2095	2099	rVB	109863	107815	6.90%	0.614%
62	14.468	2103	2105	2108	rVB4	59313	50930	3.26%	0.290%
63	14.504	2108	2111	2112	rBV2	81521	76947	4.92%	0.438%
64	15.027	2195	2200	2203	rBV	720923	1108057	70.90%	6.308%
65	15.133	2215	2218	2221	rVB	119173	131835	8.44%	0.750%
66	15.327	2247	2251	2256	rVB	408230	512227	32.77%	2.916%
67	15.386	2257	2261	2266	rVV	536317	653115	41.79%	3.718%
68	15.451	2267	2272	2275	rVV	547903	706312	45.19%	4.021%
69	15.480	2275	2277	2284	rVB3	180631	237879	15.22%	1.354%
70	16.886	2512	2516	2525	rVB2	221121	431830	27.63%	2.458%
71	17.321	2585	2590	2597	rVB	138221	251618	16.10%	1.432%

LSC Area Percent Report

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Operator : HP/JU
Sample : K4516-20 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
T2-S-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-BF083019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

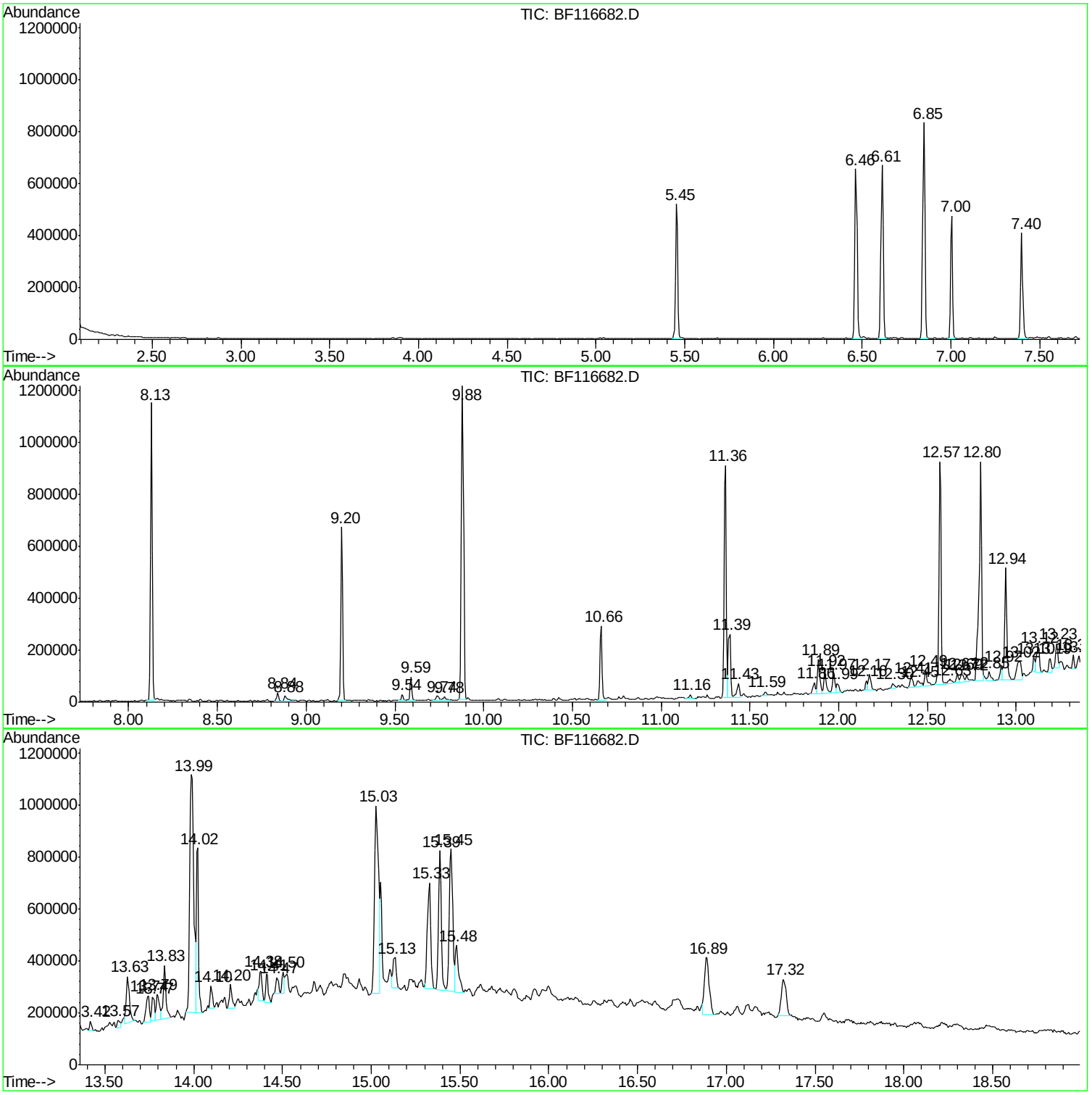
Sum of corrected areas: 17567211

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083019\
Data File : BF116682.D
Acq On : 31 Aug 2019 6:01
Operator : HP/JU
Sample : K4516-20 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
T2-S-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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\BF083019\
Data File : BF116682.D
Acq On : 31 Aug 2019 6:01
Operator : HP/JU
Sample : K4516-20 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T2-S-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

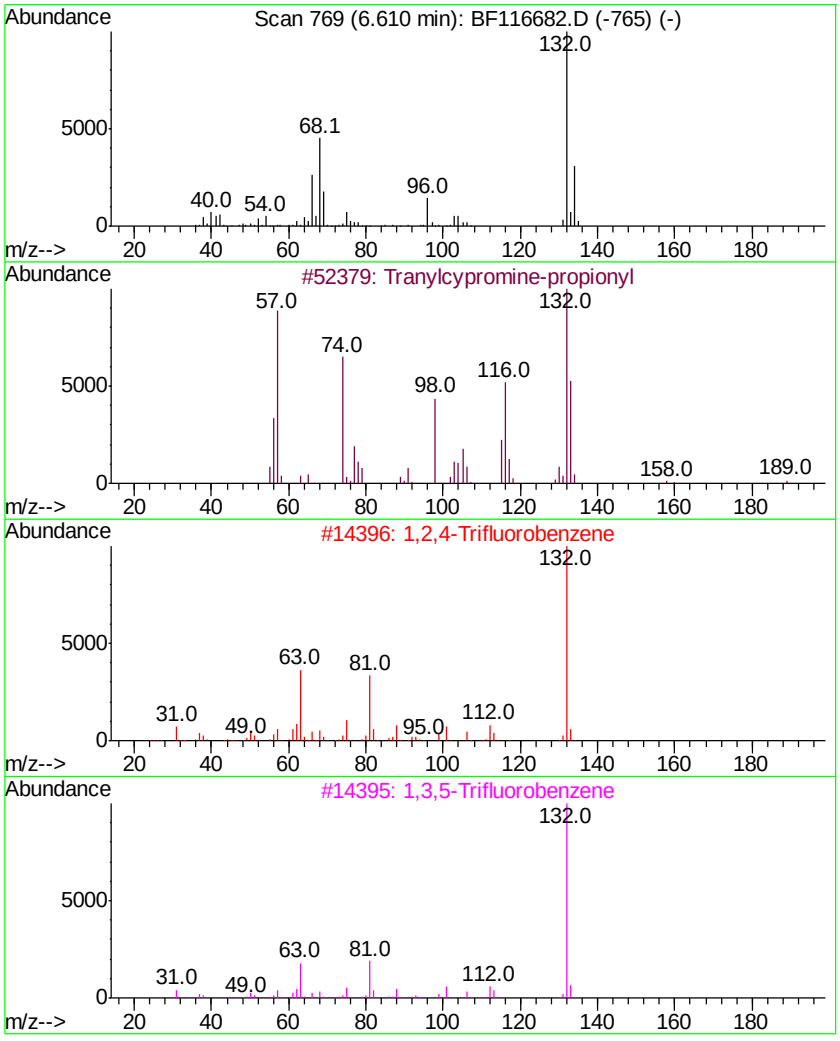
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

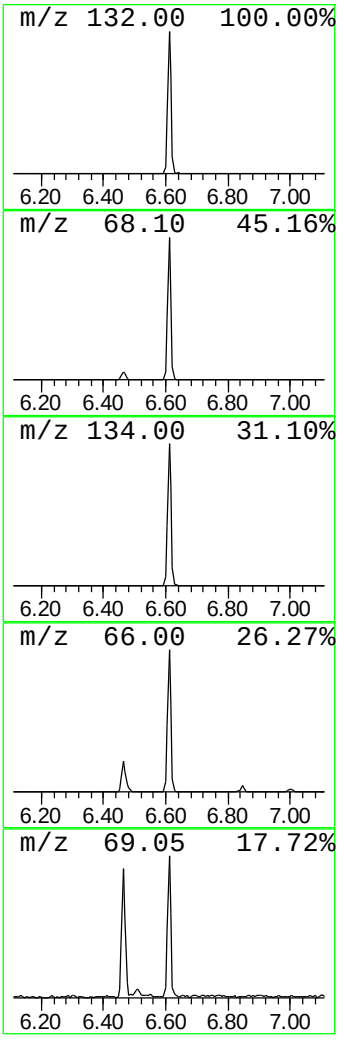
****

Peak Number 1 unknown6.61 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	16.88 ng	538136	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
2	1,2,4-Trifluorobenzene	132	C6H3F3	000367-23-7	9
3	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083019\
Data File : BF116682.D
Acq On : 31 Aug 2019 6:01
Operator : HP/JU
Sample : K4516-20 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T2-S-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

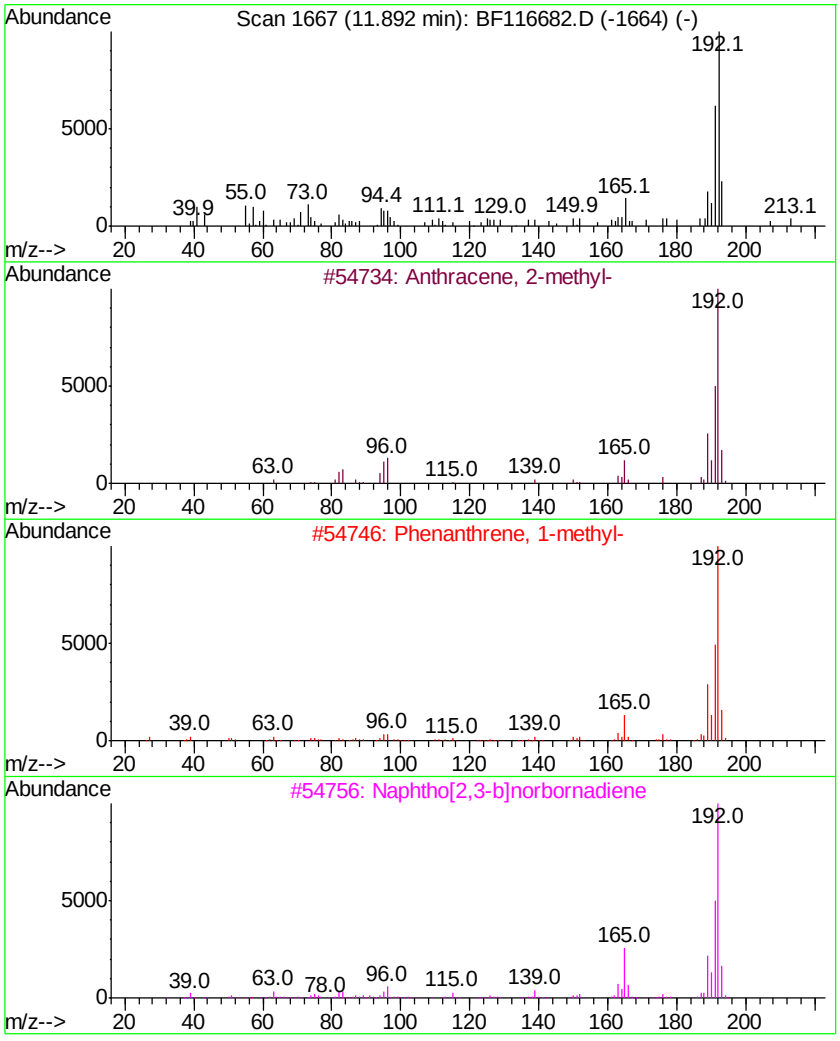
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

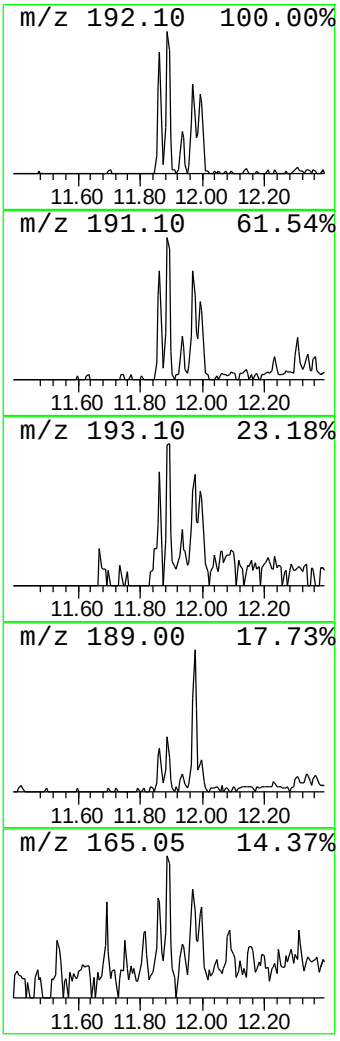
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	2.71 ng	112470	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	92
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083019\
Data File : BF116682.D
Acq On : 31 Aug 2019 6:01
Operator : HP/JU
Sample : K4516-20 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T2-S-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

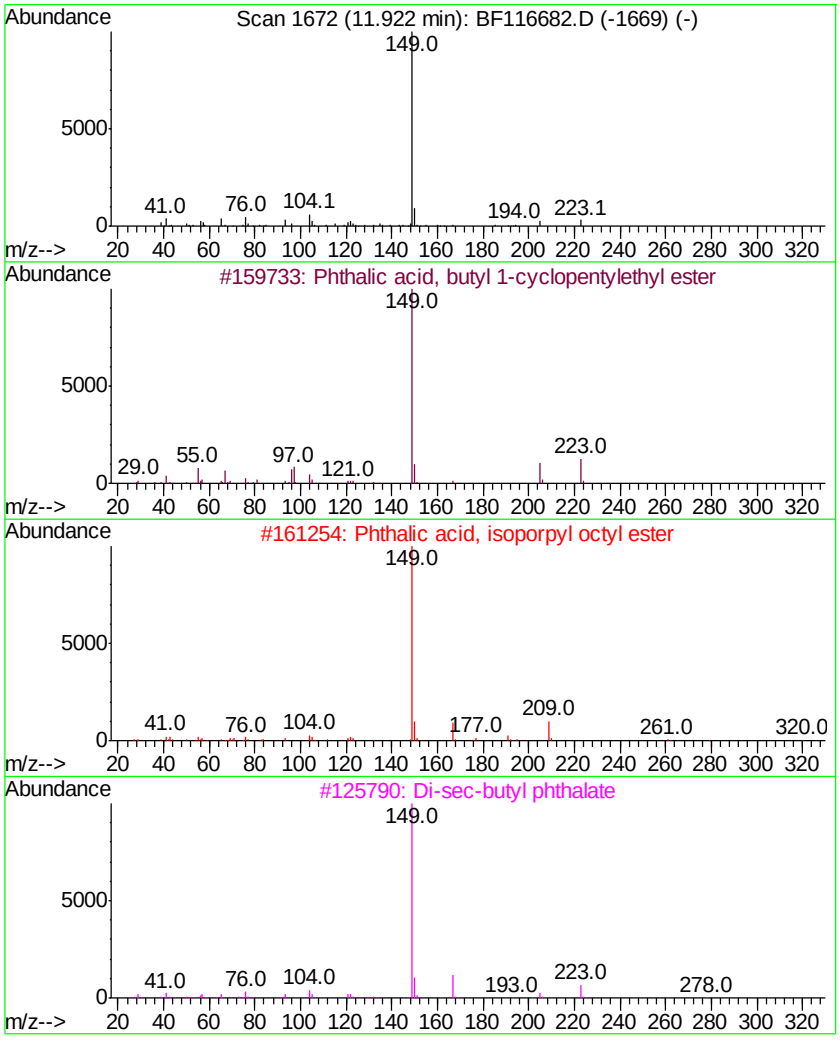
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

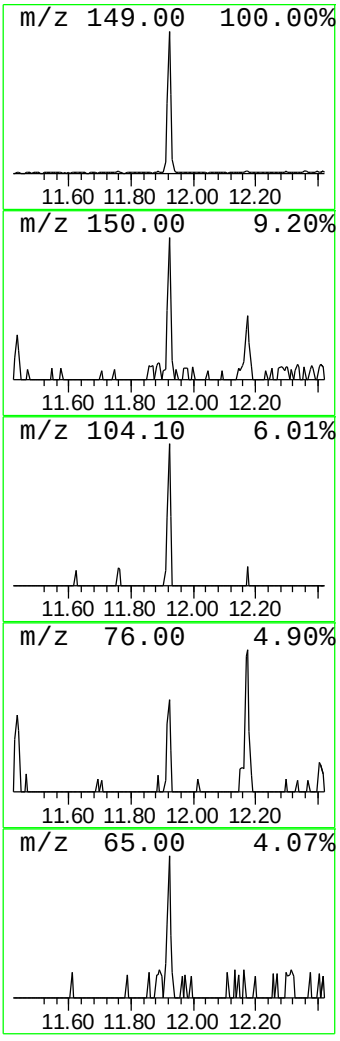
****

Peak Number 4 Phthalic acid, butyl 1-cycl... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	2.24 ng	93074	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, butyl 1-cyclopent...	318	C19H26O4	1000309-88-5	78
2	Phthalic acid, isoporpyl octyl e...	320	C19H28O4	1000315-00-2	78
3	Di-sec-butyl phthalate	278	C16H22O4	1000373-65-4	78
4	1,2-Benzenedicarboxylic acid, bu...	334	C20H30O4	000085-69-8	78
5	Phthalic acid, butyl 3-methylbut...	290	C17H22O4	1000315-44-7	78





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

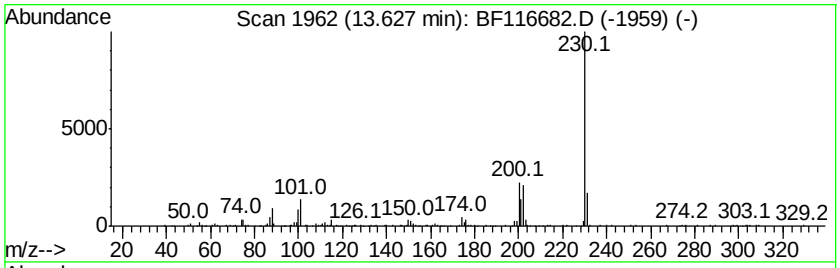
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

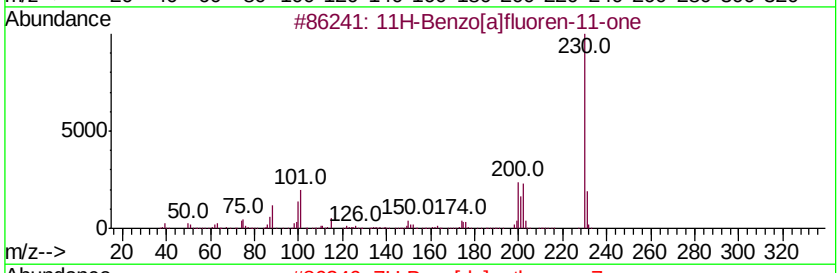
****

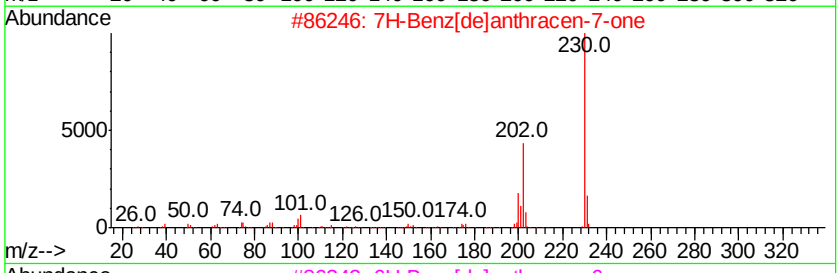
Peak Number 5 11H-Benzo[a]fluoren-11-one Concentration Rank 7

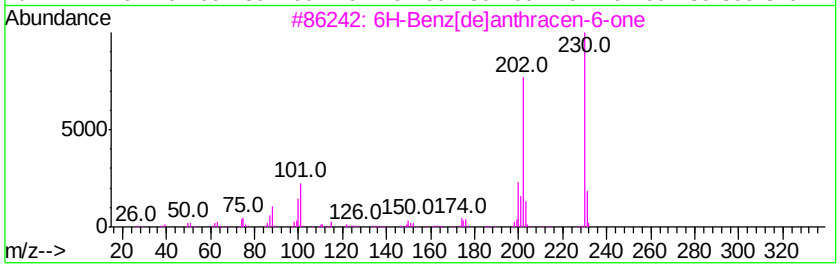
R.T.	EstConc	Area	Relative to ISTD	R.T.
13.63	2.61 ng	203708	Chrysene-d12	13.99

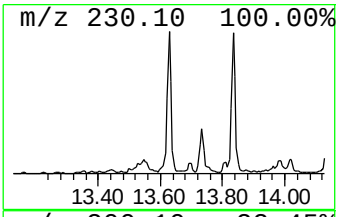
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	72
4	o-Terphenyl	230	C18H14	000084-15-1	45
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	40

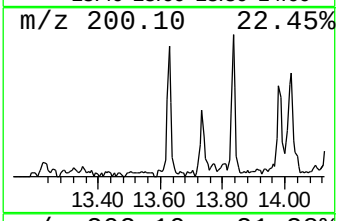


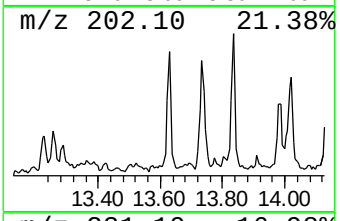


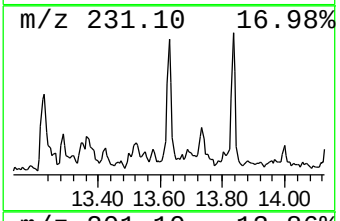


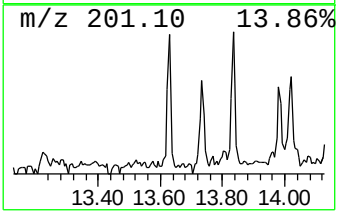












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Instrument : BNA_F
ClientSampleId : T2-S-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

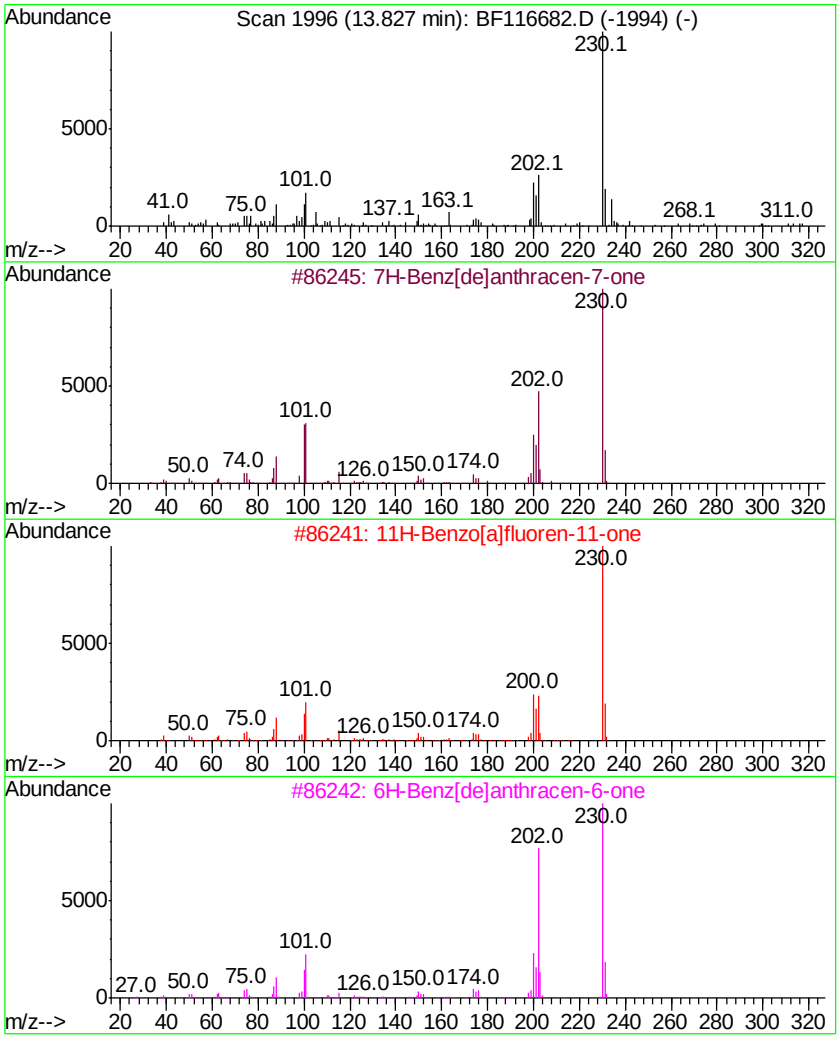
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

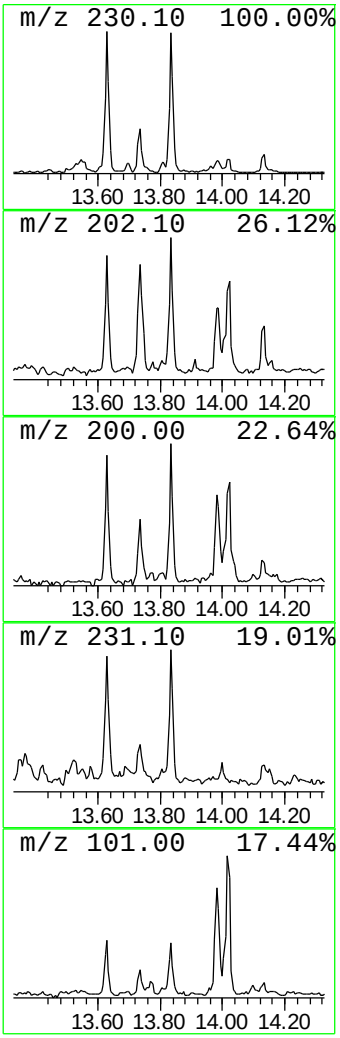
****

Peak Number 6 7H-Benz[de]anthracen-7-one Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	2.92 ng	227897	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	86
2	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	83
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	72
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
5	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083019\
Data File : BF116682.D
Acq On : 31 Aug 2019 6:01
Operator : HP/JU
Sample : K4516-20 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T2-S-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

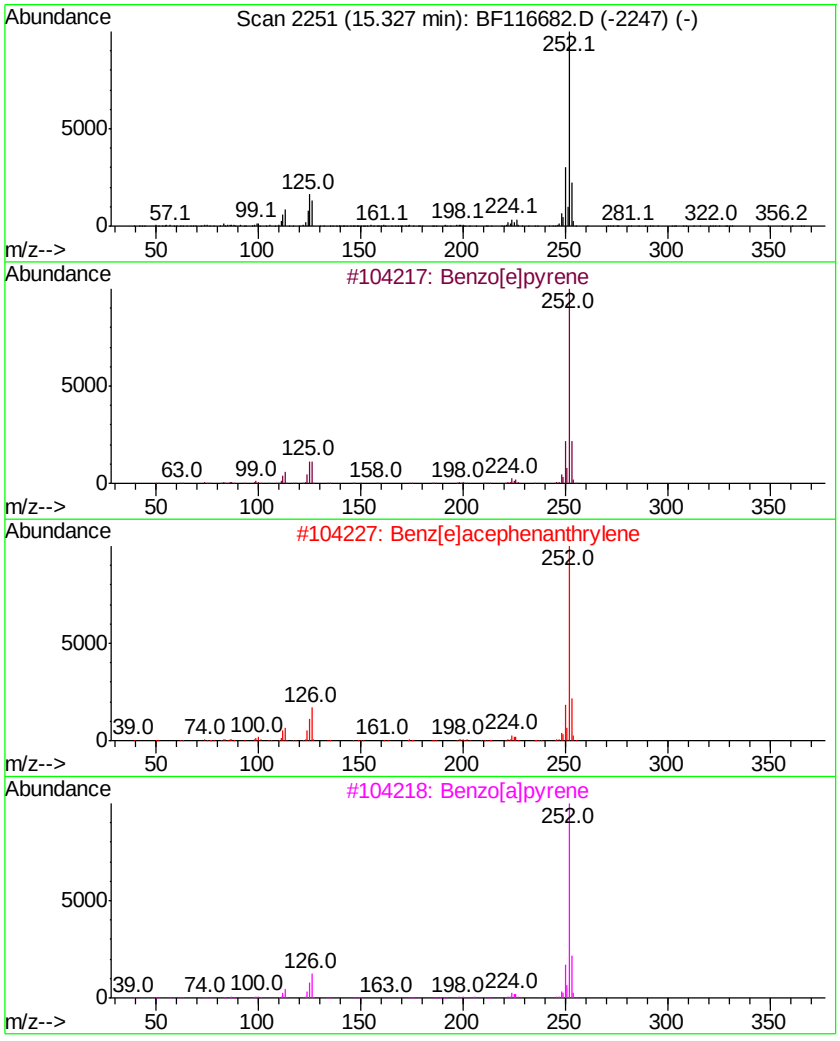
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

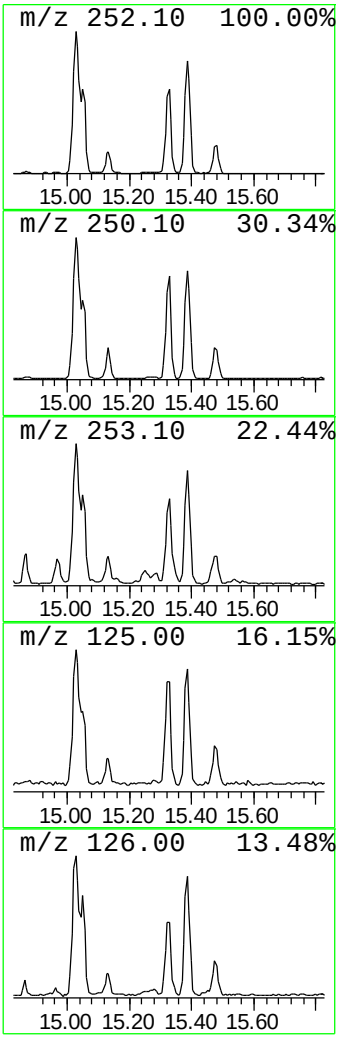
****

Peak Number 8 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.33	14.50 ng	512227	Perylene-d12	15.45

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	96
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF083019\
Data File : BF116682.D
Acq On : 31 Aug 2019 6:01
Operator : HP/JU
Sample : K4516-20 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T2-S-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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
unknown6.61	6.61	16.9	ng	538136	1	6.85	637521	20.0
Anthracene, 2-met...	11.89	2.7	ng	112470	4	11.36	830897	20.0
Phthalic acid, bu...	11.92	2.2	ng	93074	4	11.36	830897	20.0
11H-Benzo[a]fluor...	13.63	2.6	ng	203708	5	13.99	1562940	20.0
7H-Benz[de]anthra...	13.83	2.9	ng	227897	5	13.99	1562940	20.0
Benzo[e]pyrene	15.33	14.5	ng	512227	6	15.45	706312	20.0