LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115879.D
Acq On : 31 Jul 2019 21:13
Operator : HP/JU
Sample : K4049-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-10

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-BF073019.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	2.122	3	6	19	rVB	740299	949938	29.55%	2.079%
2	2.493	64	69	78	rVB	53860	85746	2.67%	0.188%
3	5.475	572	576	595	rBV	2685560	2675190	83.23%	5.855%
4	6.487	743	748	759	rBV	2798708	2834828	88.19%	6.204%
5	6.622	767	771	775	rBV	2962130	2880625	89.62%	6.305%
6	6.851	806	810	817	rBV	1068896	861024	26.79%	1.884%
7	7.010	833	837	840	rBV	2687986	2303113	71.65%	5.041%
8	7.410	901	905	908	rBV	1978805	1774839	55.22%	3.884%
9	8.133	1024	1028	1030	rBV	1265505	1049272	32.64%	2.296%
10	8.151	1030	1031	1037	rVB	178308	131018	4.08%	0.287%
11	8.851	1146	1150	1154	rVB	72976	64576	2.01%	0.141%
12	8.945	1163	1166	1169	rBV	71096	58845	1.83%	0.129%
13	9.210	1207	1211	1215	rBV	3578007	3214357	100.00%	7.035%
14	9.480	1252	1257	1260	rBV2	37228	55203	1.72%	0.121%
15	9.551	1266	1269	1271	rBV	80058	78140	2.43%	0.171%
16	9.604	1275	1278	1284	rVB	525940	429414	13.36%	0.940%
17	9.751	1300	1303	1307	rBV	247546	209117	6.51%	0.458%
18	9.892	1321	1327	1330	rBV	1472233	1207269	37.56%	2.642%
19	9.922	1330	1332	1337	rVB	157617	153031	4.76%	0.335%
20	10.004	1342	1346	1349	rVB4	28585	40066	1.25%	0.088%
21	10.051	1349	1354	1355	rBV4	31065	47411	1.47%	0.104%
22	10.098	1358	1362	1366	rVB	136922	142437	4.43%	0.312%
23	10.298	1394	1396	1398	rBV3	47105	41133	1.28%	0.090%
24	10.351	1402	1405	1410	rVV3	53717	75580	2.35%	0.165%
25	10.439	1417	1420	1424	rBV2	159617	151867	4.72%	0.332%
26	10.598	1444	1447	1449	rVB	81959	65982	2.05%	0.144%
27	10.680	1457	1461	1466	rBV	1883308	1820372	56.63%	3.984%
28	11.139	1537	1539	1543	rBV3	65869	60655	1.89%	0.133%
29	11.186	1544	1547	1550	rVV	158157	146500	4.56%	0.321%
30	11.380	1577	1580	1582	rBV	1134531	1033908	32.17%	2.263%
31	11.404	1582	1584	1588	rVV	1980243	1613853	50.21%	3.532%
32	11.457	1590	1593	1596	rVB	403616	349056	10.86%	0.764%
33	11.610	1617	1619	1623	rVB	173795	142838	4.44%	0.313%
34	11.886	1663	1666	1668	rBV	268896	249292	7.76%	0.546%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115879.D
Acq On : 31 Jul 2019 21:13
Operator : HP/JU
Sample : K4049-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-10

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-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.916	1668	1671	1676	rVV4	692403	841111	26.17%	1.841%
36	12.180	1713	1716	1718	rBV	246591	252603	7.86%	0.553%
37	12.210	1718	1721	1724	rVV2	259915	296954	9.24%	0.650%
38	12.604	1784	1788	1791	rVB	2638302	2470045	76.84%	5.406%
39	12.833	1821	1827	1829	rBV2	2353462	2636423	82.02%	5.770%
40	12.968	1847	1850	1853	rBV	2258751	1923207	59.83%	4.209%
41	14.027	2026	2030	2033	rBV2	1401178	2112154	65.71%	4.623%
42	14.057	2033	2035	2041	rVB	1244084	1152470	35.85%	2.522%
43	15.080	2205	2209	2216	rVB	1118934	2233813	69.49%	4.889%
44	15.386	2258	2261	2267	rVB	700497	950953	29.58%	2.081%
45	15.451	2268	2272	2277	rVB	1071207	1372982	42.71%	3.005%
46	15.509	2279	2282	2285	rBV	659430	755087	23.49%	1.653%
47	16.986	2528	2533	2540	rVB	492614	945245	29.41%	2.069%
48	17.427	2604	2608	2623	rVB	335193	751251	23.37%	1.644%

Sum of corrected areas: 45690793

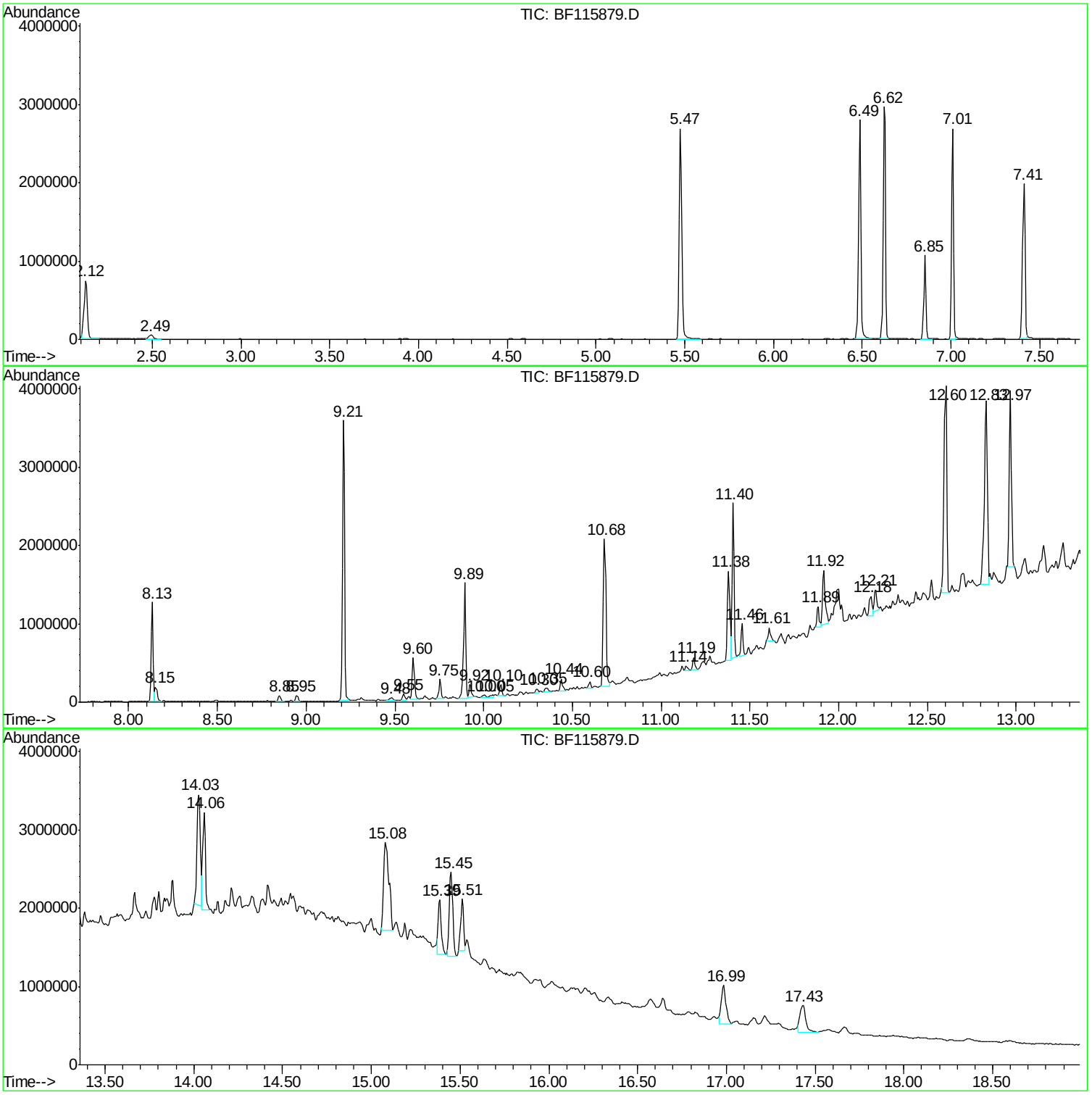
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115879.D
Acq On : 31 Jul 2019 21:13
Operator : HP/JU
Sample : K4049-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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\BF073119\
Data File : BF115879.D
Acq On : 31 Jul 2019 21:13
Operator : HP/JU
Sample : K4049-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-10

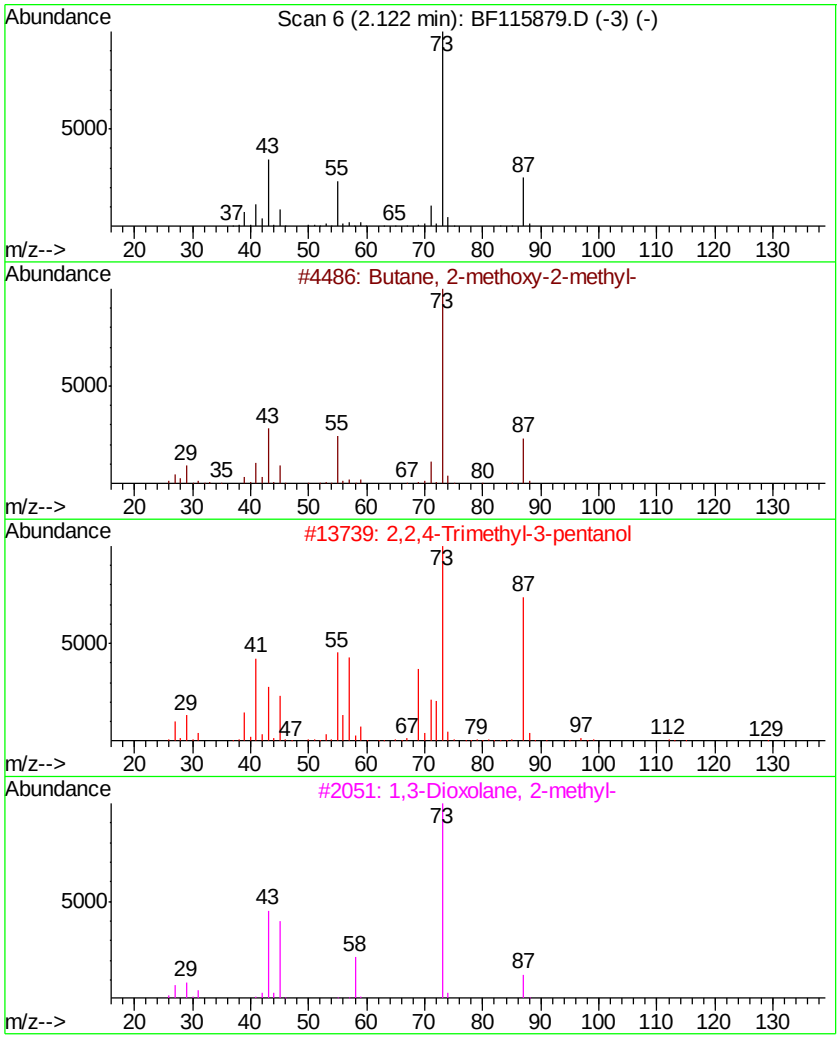
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

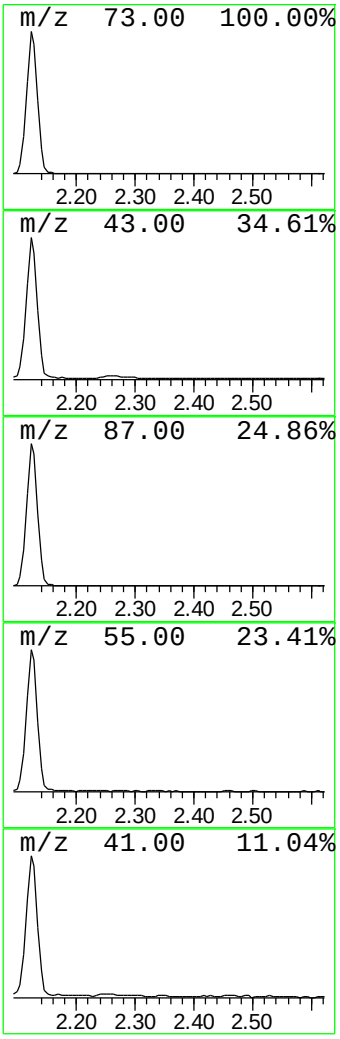
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.12	22.07 ng	949938	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115879.D
Acq On : 31 Jul 2019 21:13
Operator : HP/JU
Sample : K4049-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

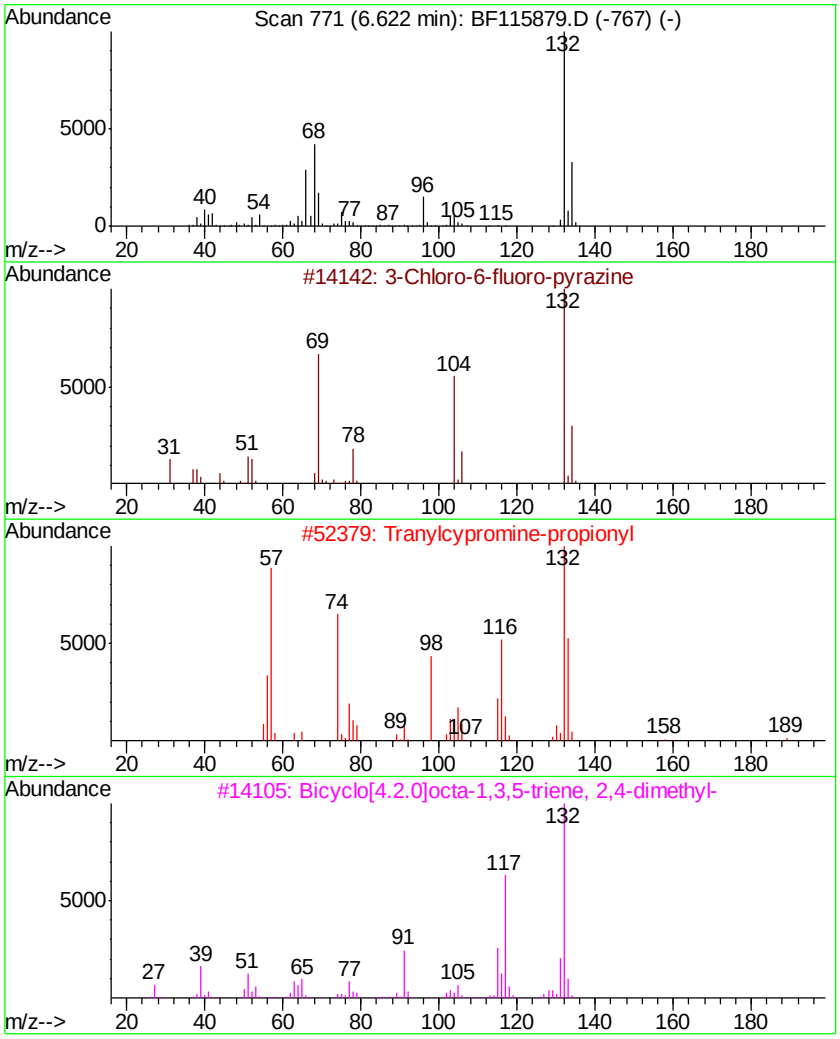
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

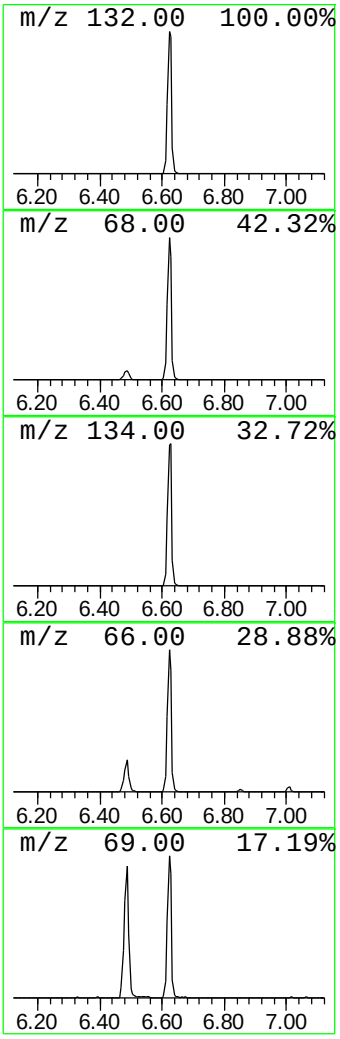
****

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	66.91 ng	2880630	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115879.D
Acq On : 31 Jul 2019 21:13
Operator : HP/JU
Sample : K4049-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

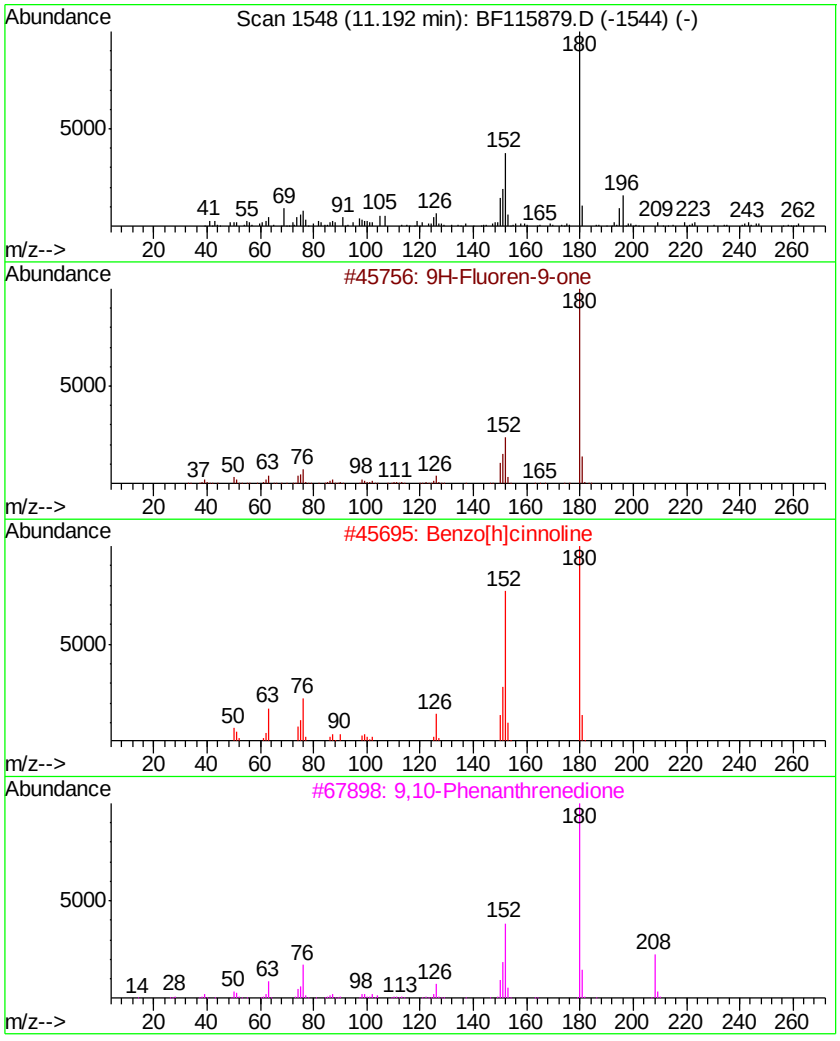
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

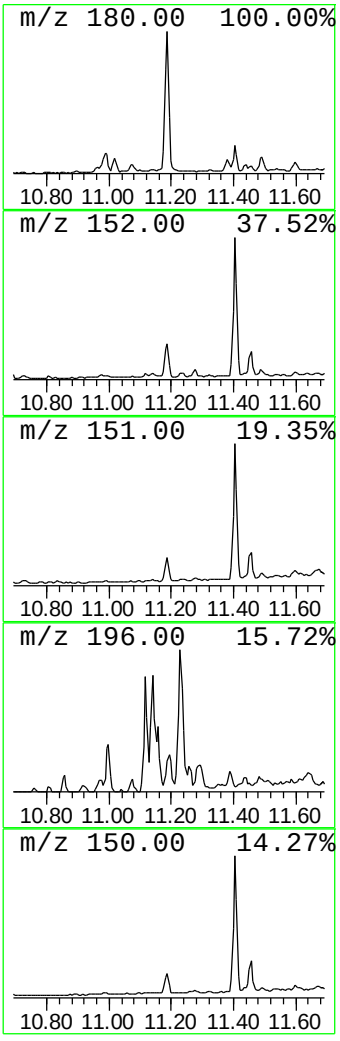
****

Peak Number 4 9H-Fluoren-9-one Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	2.83 ng	146500	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86
4	Diphenic anhydride	224	C14H8O3	006050-13-1	68
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	58





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115879.D
Acq On : 31 Jul 2019 21:13
Operator : HP/JU
Sample : K4049-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

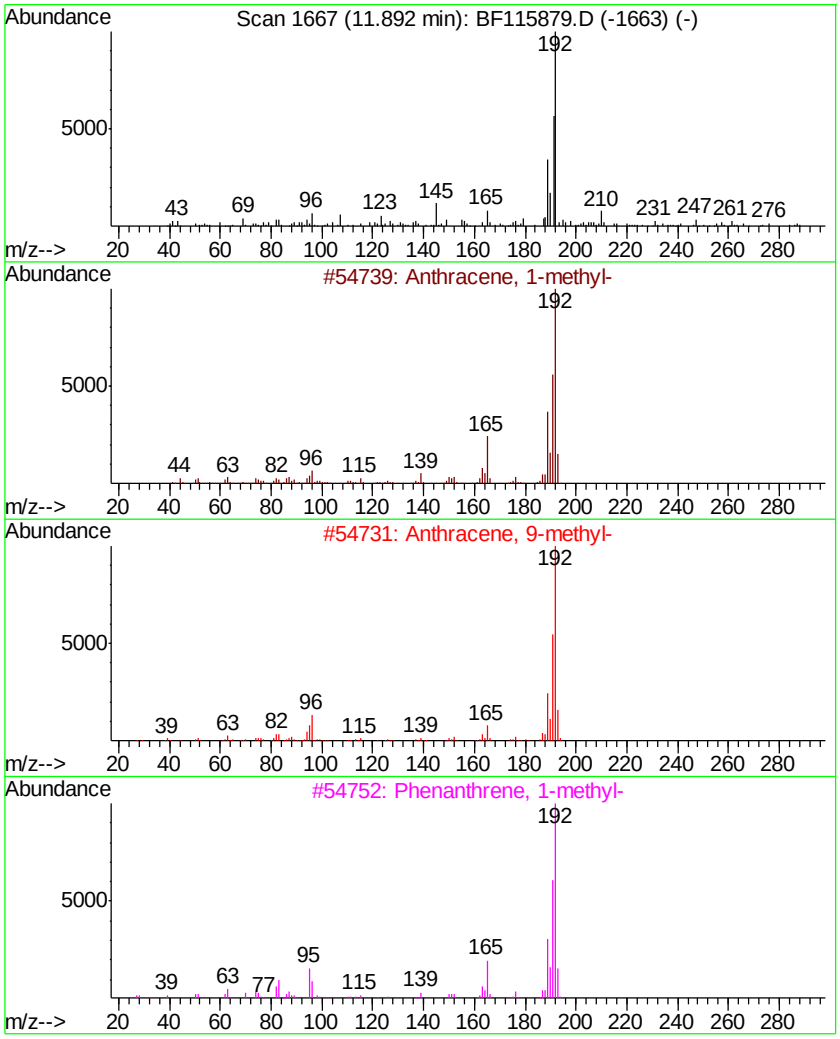
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

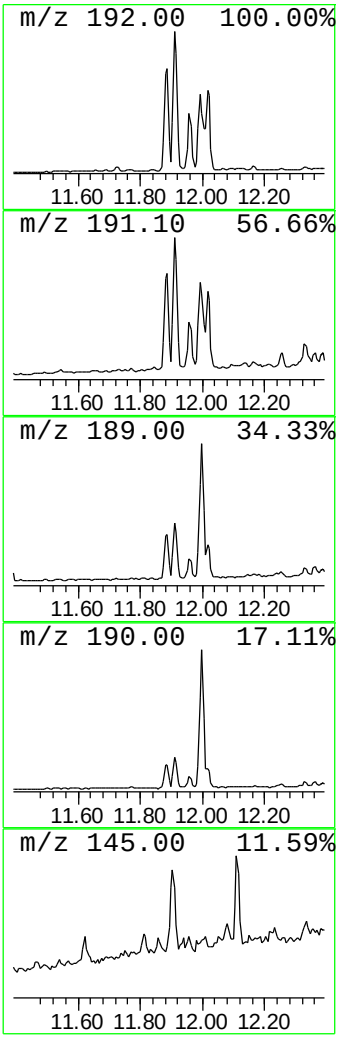
****

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	4.82 ng	249292	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115879.D
Acq On : 31 Jul 2019 21:13
Operator : HP/JU
Sample : K4049-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

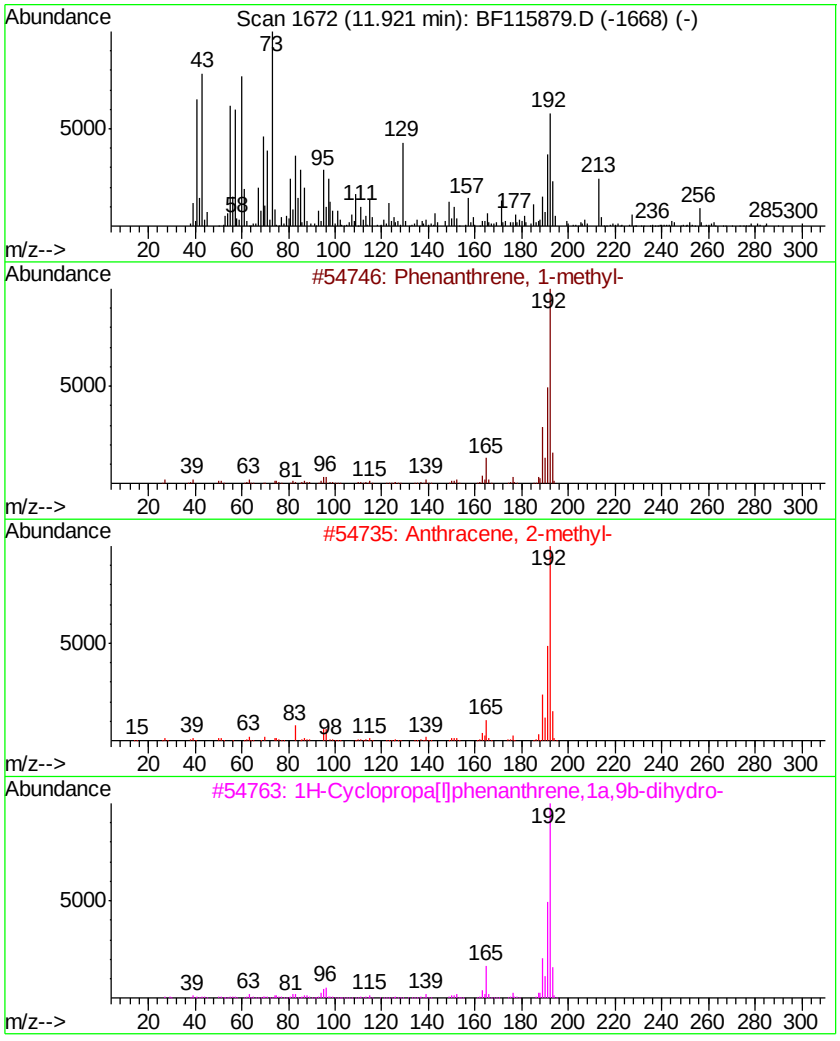
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

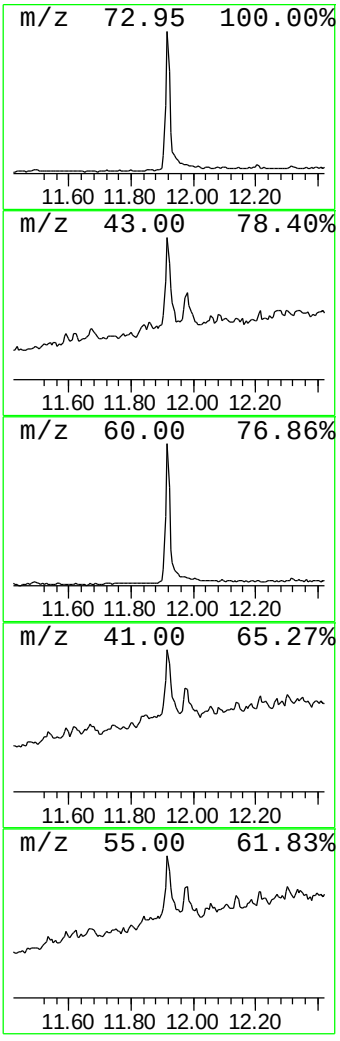
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	16.27 ng	841111	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Data File : BF115879.D
Acq On : 31 Jul 2019 21:13
Operator : HP/JU
Sample : K4049-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

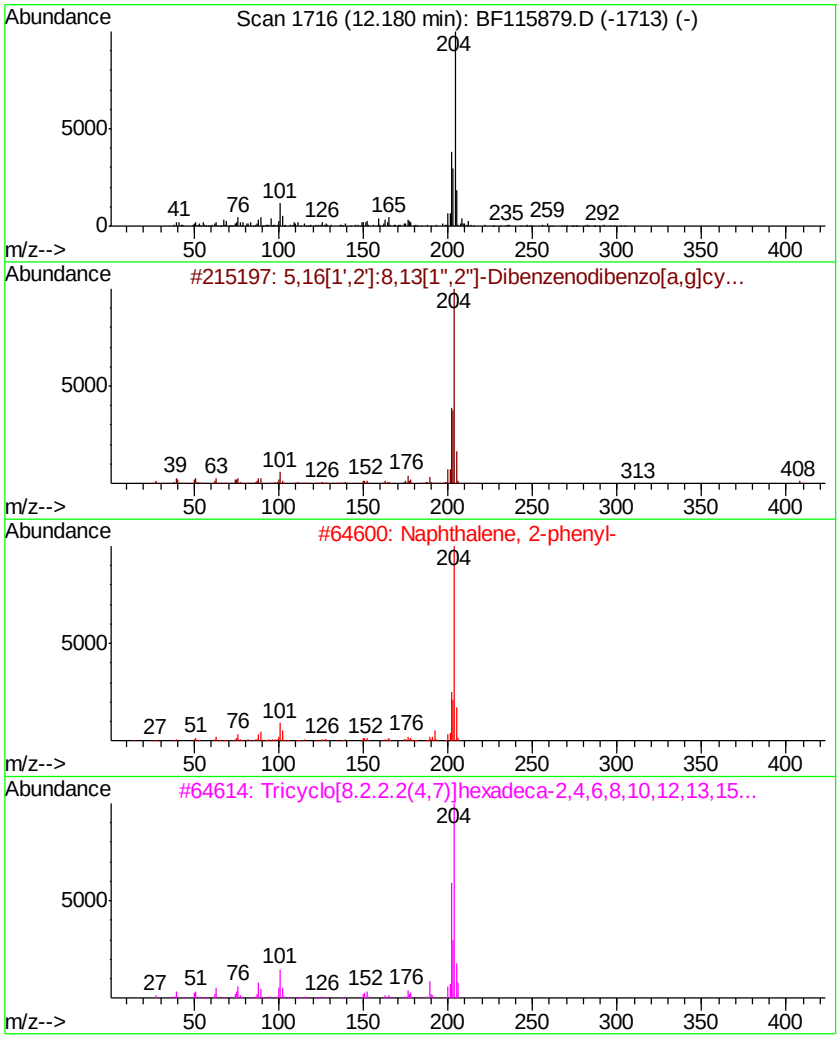
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

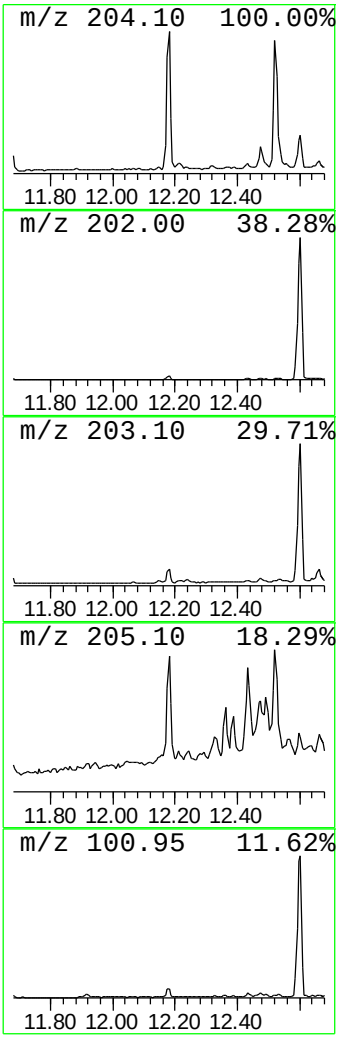
****

Peak Number 7 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	4.89 ng	252603	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	86
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49





Library Search Compound Report

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ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

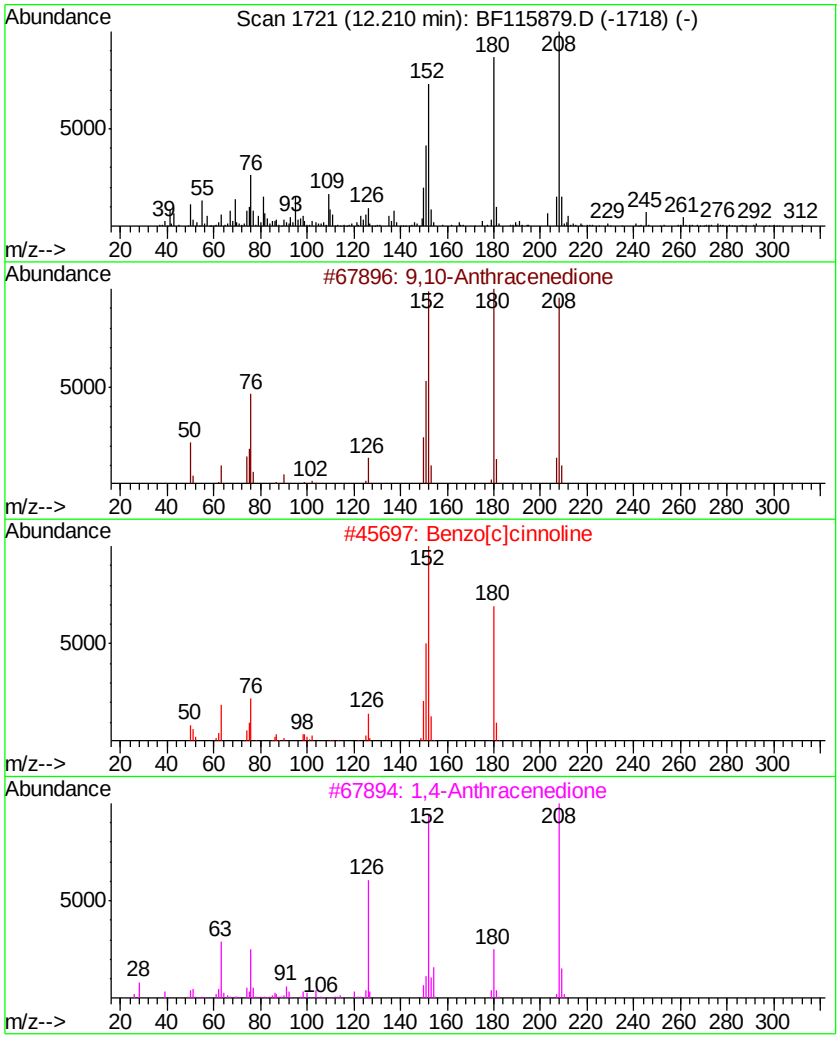
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

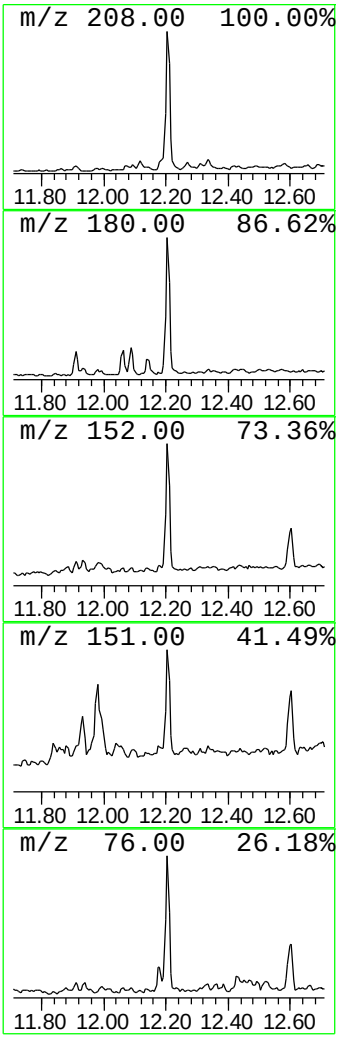
****

Peak Number 8 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.21	5.74 ng	296954	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
3	1,4-Anthracenedione	208	C14H8O2	000635-12-1	60
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	50
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	46





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115879.D
Acq On : 31 Jul 2019 21:13
Operator : HP/JU
Sample : K4049-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

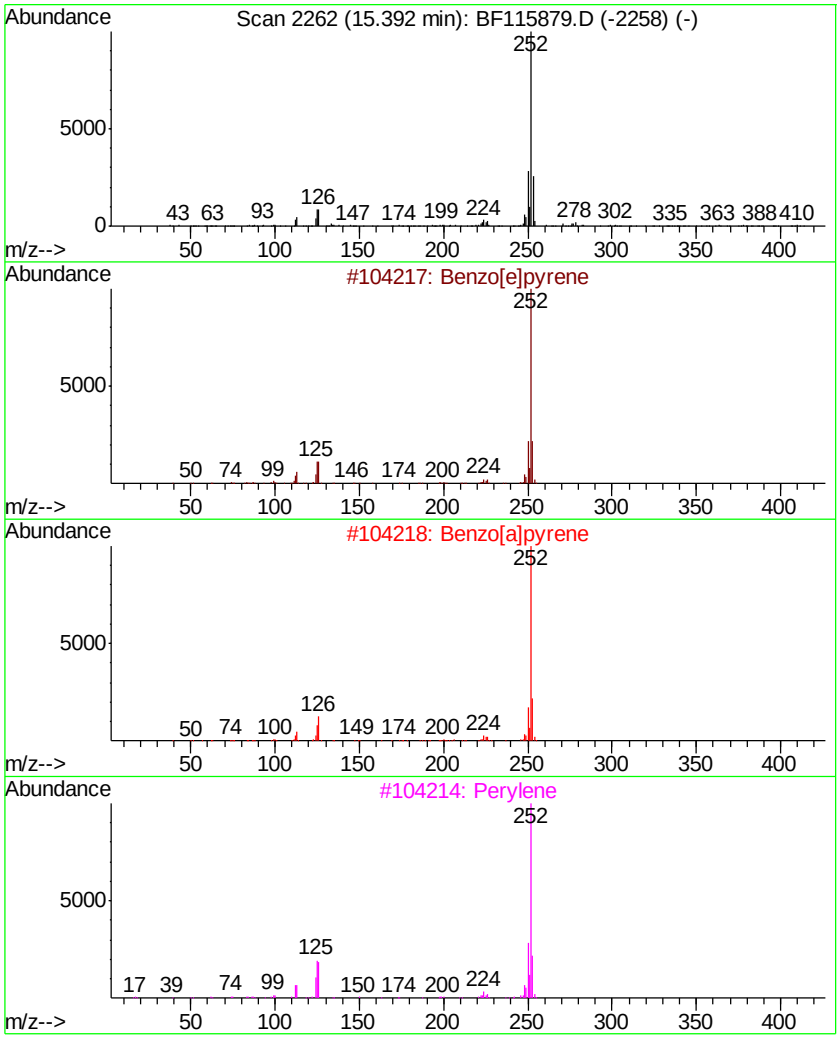
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

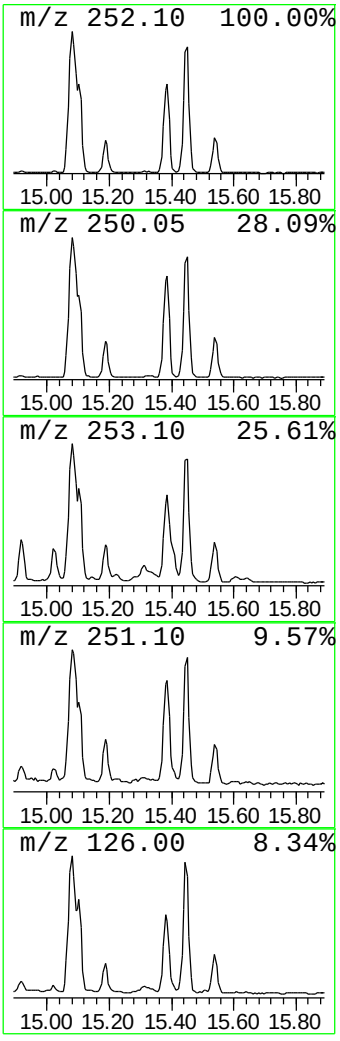
****

Peak Number 9 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.39	25.19 ng	950953	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	98
3	Perylene	252	C20H12	000198-55-0	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF073119\
Data File : BF115879.D
Acq On : 31 Jul 2019 21:13
Operator : HP/JU
Sample : K4049-10
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-10

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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...	2.12	22.1	ng	949938	1	6.85	861024	20.0
unknown6.62	6.62	66.9	ng	2880630	1	6.85	861024	20.0
9H-Fluoren-9-one	11.19	2.8	ng	146500	4	11.38	1033910	20.0
Anthracene, 1-met...	11.89	4.8	ng	249292	4	11.38	1033910	20.0
Phenanthrene, 1-m...	11.92	16.3	ng	841111	4	11.38	1033910	20.0
5,16[1',2']:8,13[...	12.18	4.9	ng	252603	4	11.38	1033910	20.0
9,10-Anthracenedione	12.21	5.7	ng	296954	4	11.38	1033910	20.0
Benzo[e]pyrene	15.39	25.2	ng	950953	6	15.51	755087	20.0