LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107673.D
Acq On : 25 Jul 2018 22:32
Operator : JU/SJ
Sample : J4031-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-9

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-BF072018.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	5.207	483	488	499	rBV	443878	561452	15.95%	1.544%
2	5.601	551	555	584	rBV	2565641	3331901	94.66%	9.165%
3	6.601	721	725	745	rBV	2419265	3396947	96.51%	9.344%
4	6.742	745	749	771	rVB	3140832	3519709	100.00%	9.682%
5	6.966	784	787	804	rBV	939204	1178014	33.47%	3.240%
6	7.125	810	814	836	rBV	2574676	2720985	77.31%	7.485%
7	7.531	879	883	905	rBV	1609015	2072033	58.87%	5.699%
8	8.248	1002	1005	1029	rBV	1232092	1493809	42.44%	4.109%
9	9.325	1184	1188	1203	rBV	3579579	3414752	97.02%	9.393%
10	9.713	1251	1254	1263	rVB	165751	172130	4.89%	0.473%
11	10.013	1301	1305	1308	rBV	1363305	1356486	38.54%	3.731%
12	10.042	1308	1310	1320	rVB	71482	84574	2.40%	0.233%
13	10.801	1435	1439	1452	rBV	1609313	1964086	55.80%	5.403%
14	11.013	1473	1475	1478	rVB2	48812	35919	1.02%	0.099%
15	11.507	1555	1559	1561	rBV	1270139	1216615	34.57%	3.347%
16	11.530	1561	1563	1569	rVV	403351	439641	12.49%	1.209%
17	11.583	1569	1572	1581	rVV	92382	151780	4.31%	0.417%
18	11.671	1581	1587	1593	rVB6	28386	44409	1.26%	0.122%
19	12.007	1641	1644	1647	rBV2	183653	185604	5.27%	0.511%
20	12.036	1647	1649	1654	rVB2	73482	90689	2.58%	0.249%
21	12.083	1654	1657	1660	rVB2	38786	36437	1.04%	0.100%
22	12.118	1660	1663	1666	rBV2	96134	115078	3.27%	0.317%
23	12.554	1734	1737	1741	rBV2	44271	62165	1.77%	0.171%
24	12.589	1741	1743	1749	rVB2	130528	142934	4.06%	0.393%
25	12.648	1749	1753	1758	rBV2	35760	55415	1.57%	0.152%
26	12.724	1762	1766	1774	rBV	691712	699914	19.89%	1.925%
27	12.954	1799	1805	1810	rBV	642884	766258	21.77%	2.108%
28	13.001	1811	1813	1818	rVB3	42168	45736	1.30%	0.126%
29	13.089	1824	1828	1838	rBV	2749527	2621149	74.47%	7.210%
30	13.165	1838	1841	1846	rBV2	44278	70550	2.00%	0.194%
31	13.283	1854	1861	1865	rBV	103350	167760	4.77%	0.461%
32	13.348	1869	1872	1875	rBV	67292	68508	1.95%	0.188%
33	13.401	1876	1881	1886	rVB5	202445	302596	8.60%	0.832%
34	13.477	1892	1894	1897	rBV	44309	46264	1.31%	0.127%

LSC Area Percent Report

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Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-9

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-BF072018.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.518	1897	1901	1903	rVV	211784	219711	6.24%	0.604%
36	13.554	1903	1907	1912	rVB3	129964	197668	5.62%	0.544%
37	13.971	1975	1978	1982	rVB4	112667	107356	3.05%	0.295%
38	14.154	2004	2009	2012	rBV2	1086432	1407535	39.99%	3.872%
39	14.183	2012	2014	2021	rVB	307107	305904	8.69%	0.841%
40	14.265	2025	2028	2030	rBV	64094	74025	2.10%	0.204%
41	14.542	2073	2075	2077	rBV	76330	54430	1.55%	0.150%
42	15.236	2189	2193	2196	rBV	208417	330649	9.39%	0.910%
43	15.624	2256	2259	2264	rBV	170593	238034	6.76%	0.655%
44	15.695	2266	2271	2276	rVV	545742	787130	22.36%	2.165%

Sum of corrected areas: 36354741

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107673.D
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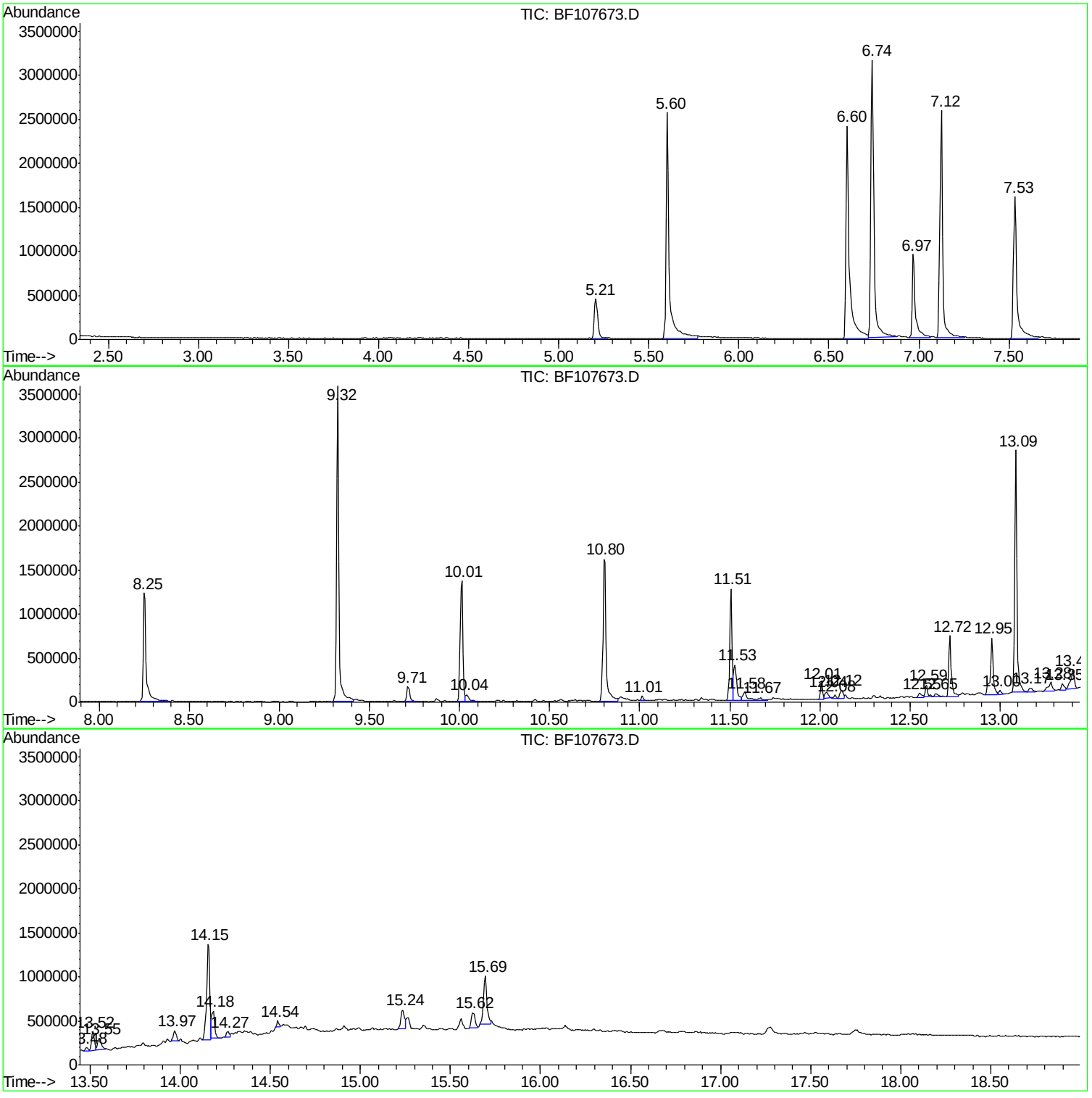
Operator : JU/SJ
Sample : J4031-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.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\BF072518\
Data File : BF107673.D
Acq On : 25 Jul 2018 22:32
Operator : JU/SJ
Sample : J4031-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-9

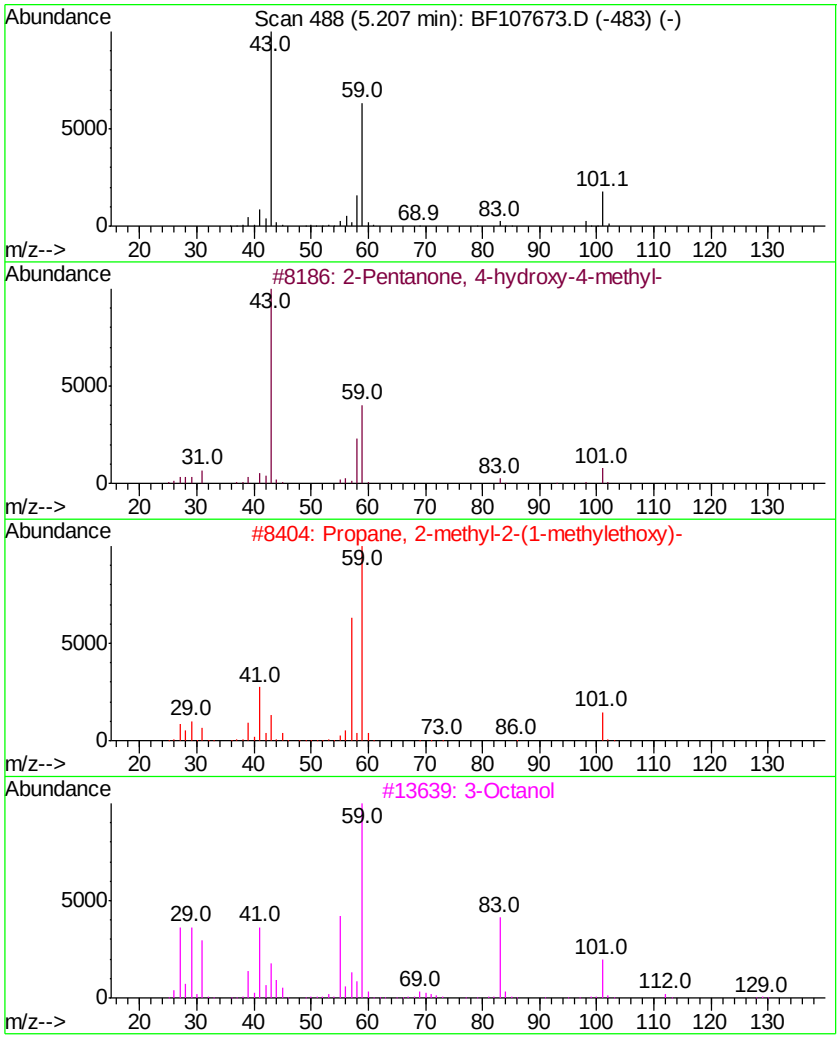
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

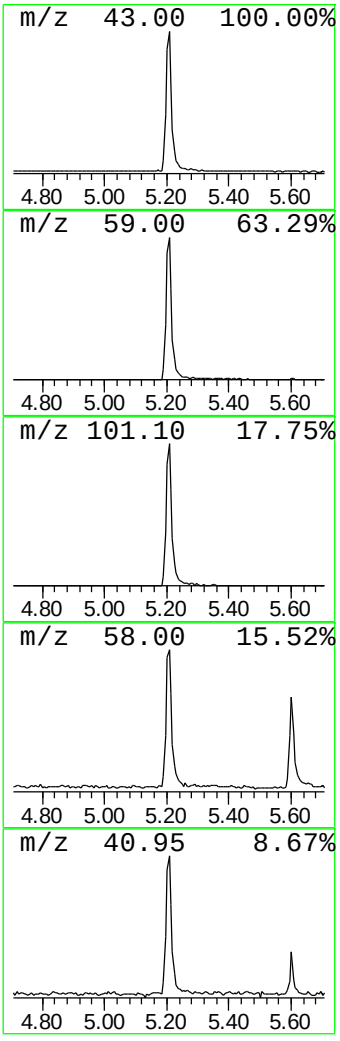
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.21	9.53 ng	561452	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3	3-Octanol	130	C8H18O	000589-98-0	33
4	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
5	1,2-Butanediol	90	C4H10O2	000584-03-2	25





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107673.D
Acq On : 25 Jul 2018 22:32
Operator : JU/SJ
Sample : J4031-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

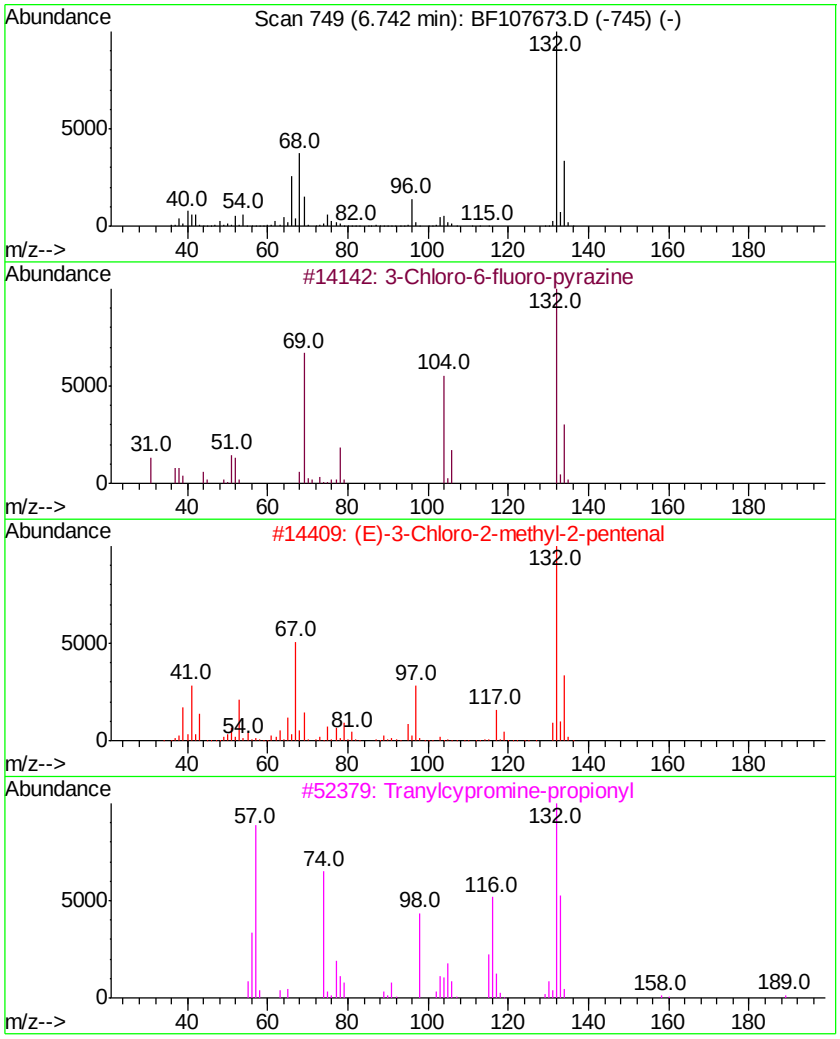
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

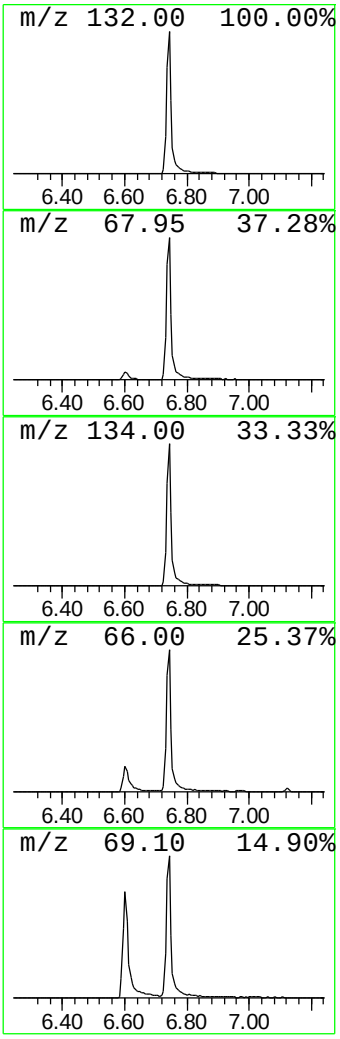
****

Peak Number 2 unknown6.74 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	59.76 ng	3519710	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	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107673.D
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Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

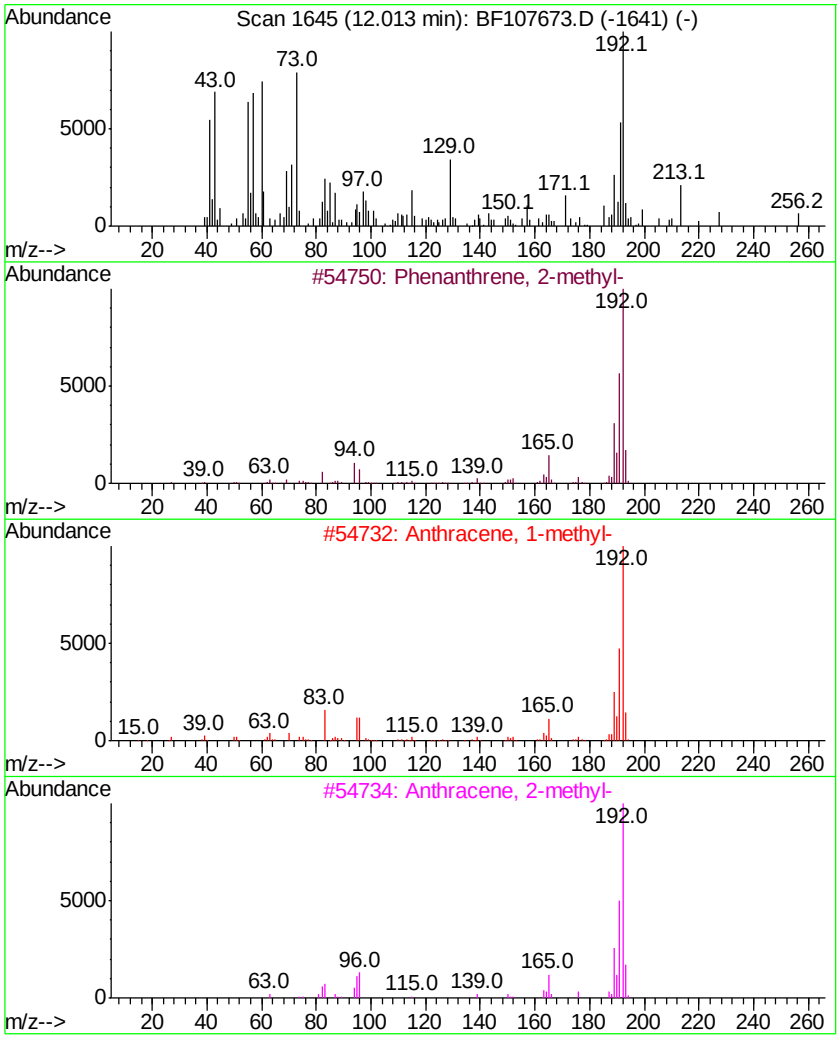
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

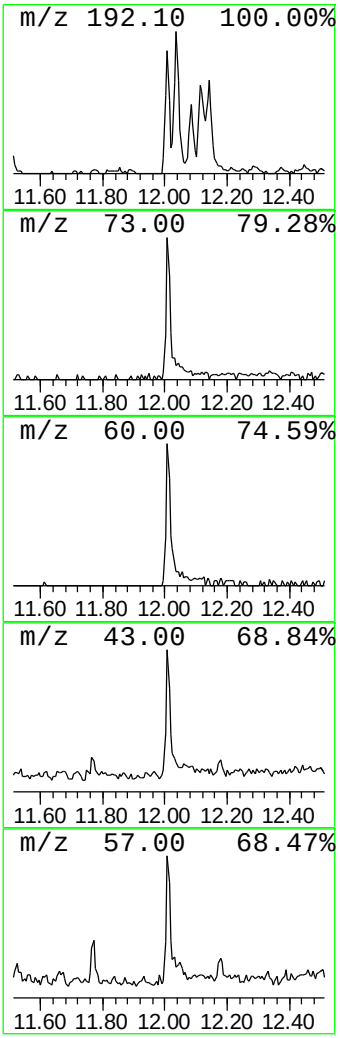
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	3.05 ng	185604	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	78
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	76
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	60
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	60





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107673.D
Acq On : 25 Jul 2018 22:32
Operator : JU/SJ
Sample : J4031-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

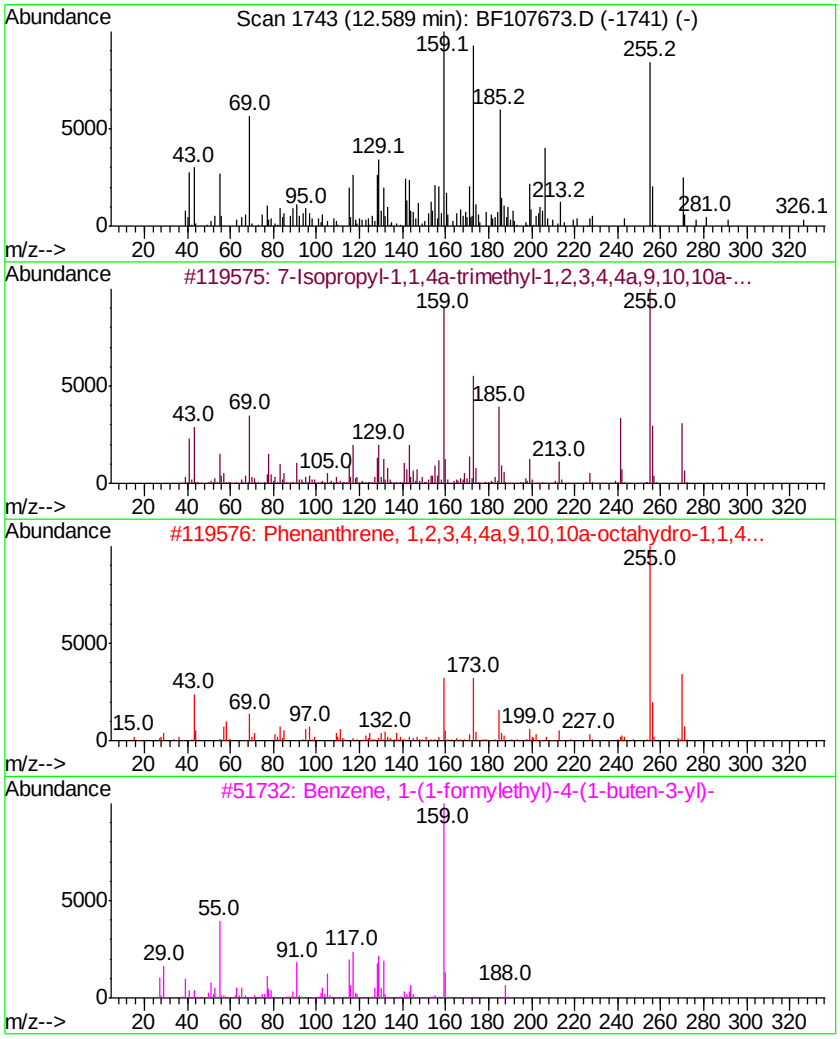
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

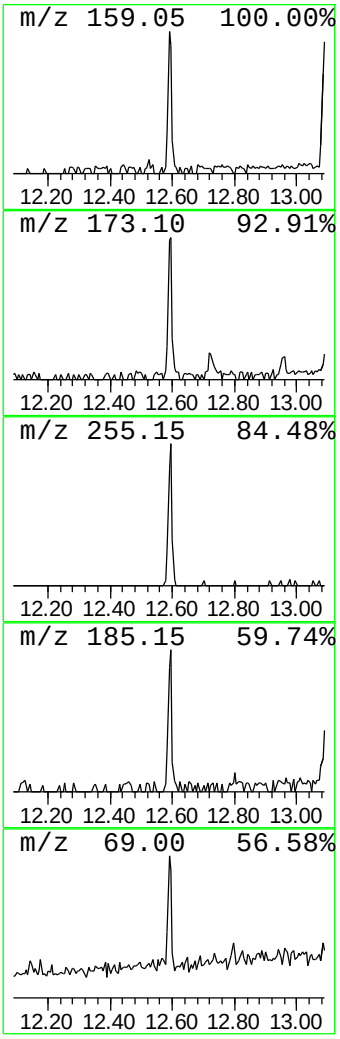
****

Peak Number 6 7-Isopropyl-1,1,4a-trimethy... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	2.35 ng	142934	Phenanthrene-d10	11.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Isopropyl-1,1,4a-trimethyl-1,2...	270	C20H30	1000210-28-9	78
2	Phenanthrene, 1,2,3,4,4a,9,10,10...	270	C20H30	019407-28-4	35
3	Benzene, 1-(1-formylethyl)-4-(1-...	188	C13H16O	1000161-46-6	15
4	1H-Pyrazol-5-amine, 3-methyl-1-p...	173	C10H11N3	001131-18-6	11
5	2,6-Dimethyl-3,5-dithioxo-2,3,4,...	173	C5H7N3S2	006947-25-7	11





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107673.D
Acq On : 25 Jul 2018 22:32
Operator : JU/SJ
Sample : J4031-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
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TIC Library : C:\DATABASE\NIST11.L
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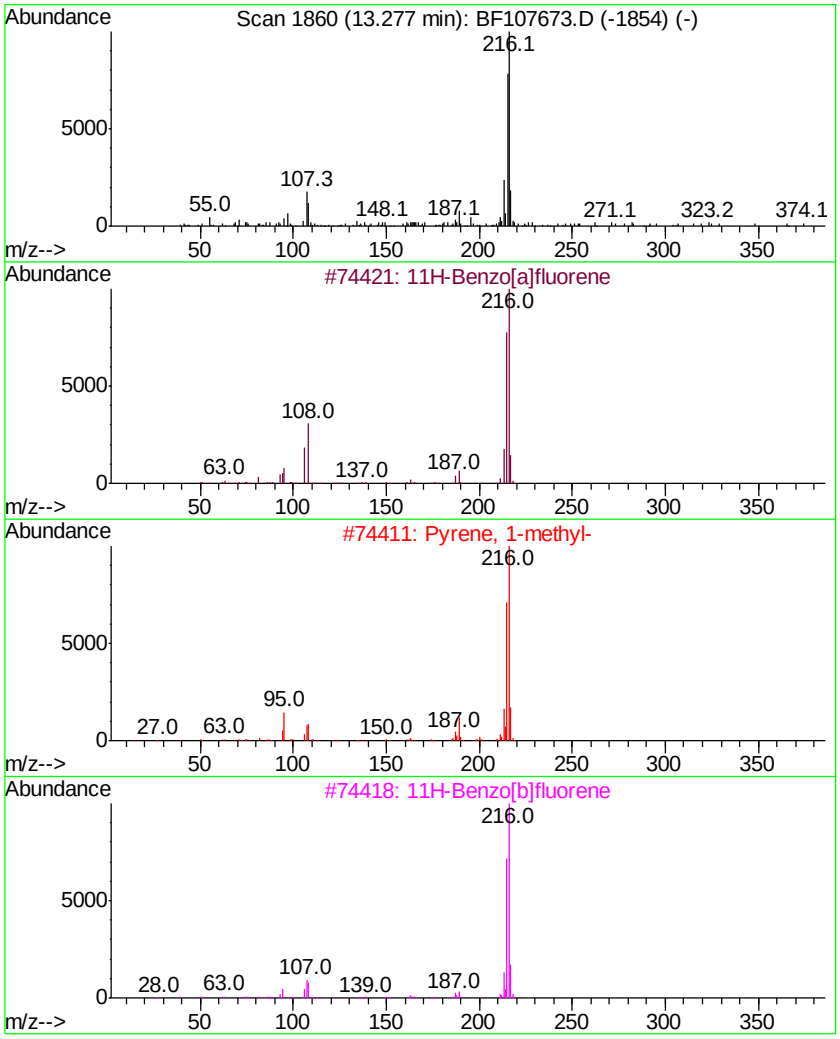
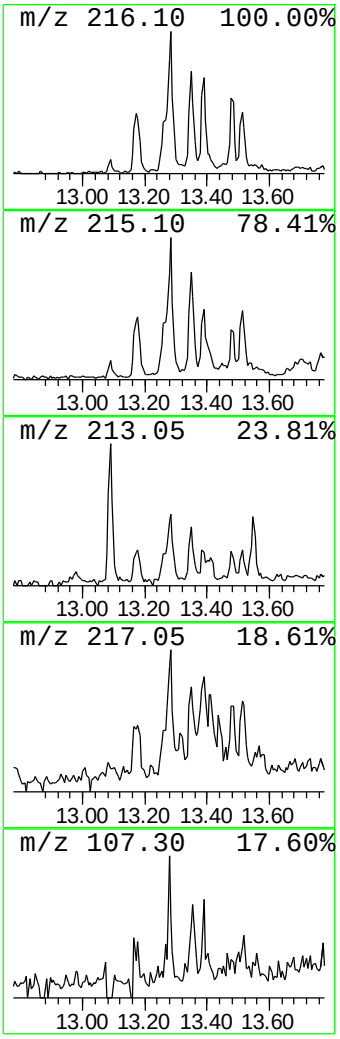
****

Peak Number 7 11H-Benzo[a]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	2.38 ng	167760	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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Data File : BF107673.D
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Instrument : BNA_F
ClientSampleId : PLANTER-DOC-9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

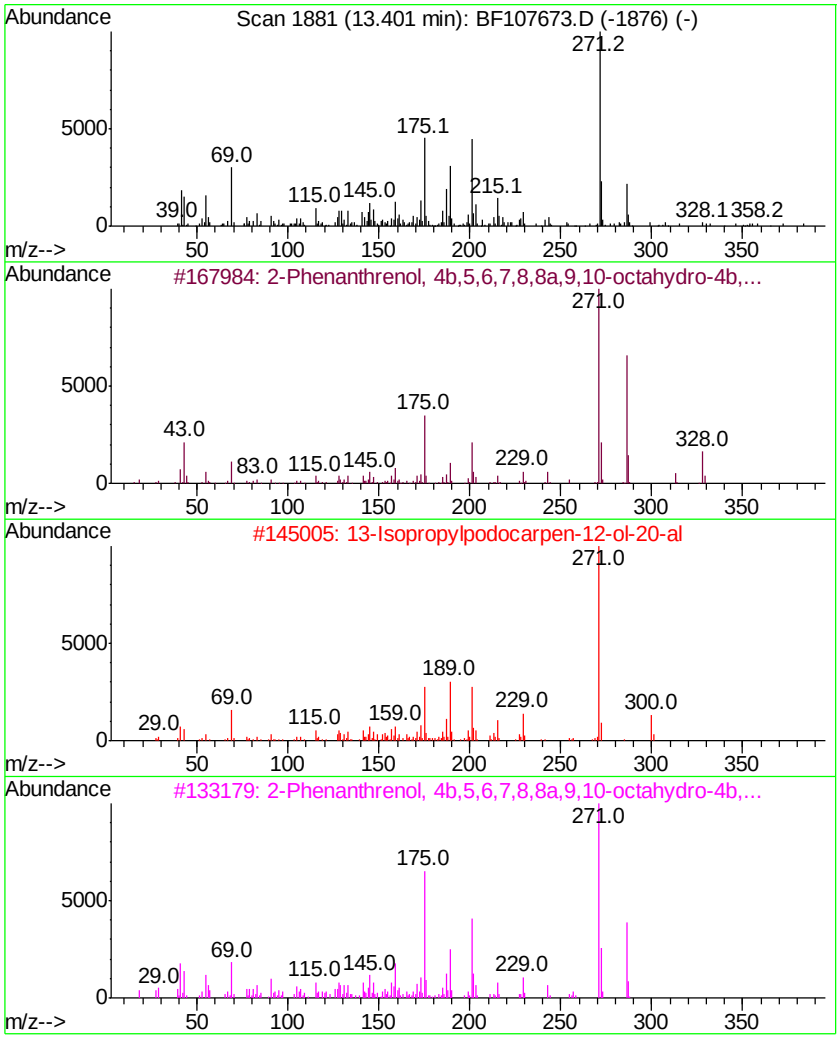
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

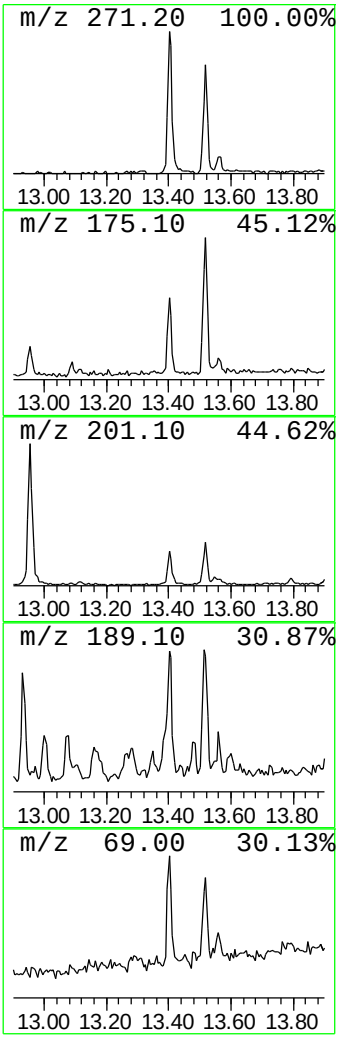
****

Peak Number 8 2-Phenanthrenol, 4b,5,6,7,8... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.40	4.30 ng	302596	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenanthrenol, 4b,5,6,7,8,8a,9...	328	C22H32O2	015340-82-6	53
2	13-Isopropylpodocarpen-12-ol-20-al	300	C20H28O2	024035-37-8	50
3	2-Phenanthrenol, 4b,5,6,7,8,8a,9...	286	C20H30O	000511-15-9	38
4	Crinan-1-ol, 2,3-didehydro-,(1.a...	271	C16H17NO3	1000111-31-3	38
5	3,5,7-Trimethyl-4-phenyl-1-azaad...	271	C18H25NO	1000202-12-2	35





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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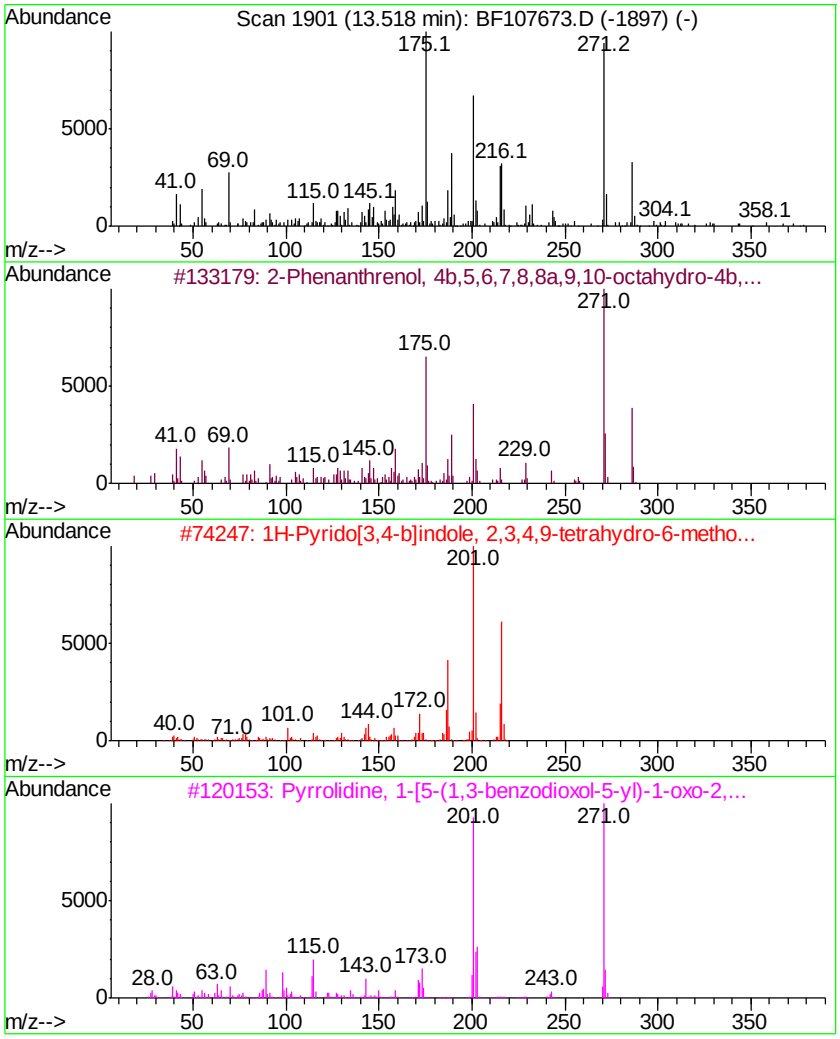
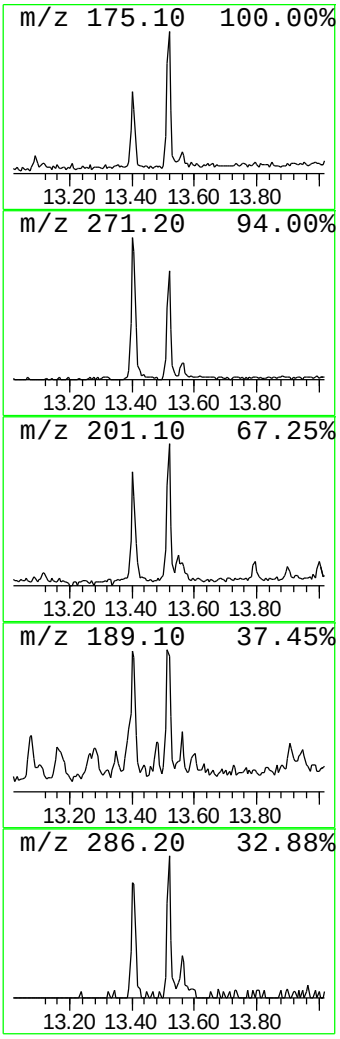
****

Peak Number 9 unknown13.52 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	3.12 ng	219711	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenanthrenol, 4b,5,6,7,8,8a,9...	286	C20H30O	000511-15-9	46
2	1H-Pyrido[3,4-b]indole, 2,3,4,9-...	216	C13H16N2O	001210-56-6	41
3	Pyrrolidine, 1-[5-(1,3-benzodiox...	271	C16H17NO3	025924-78-1	27
4	Crinan-1-one	271	C16H17NO3	098301-98-5	25
5	1,2-Naphthalenedione, 6-hydroxy-...	244	C15H16O3	007715-96-0	25





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
Data File : BF107673.D
Acq On : 25 Jul 2018 22:32
Operator : JU/SJ
Sample : J4031-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

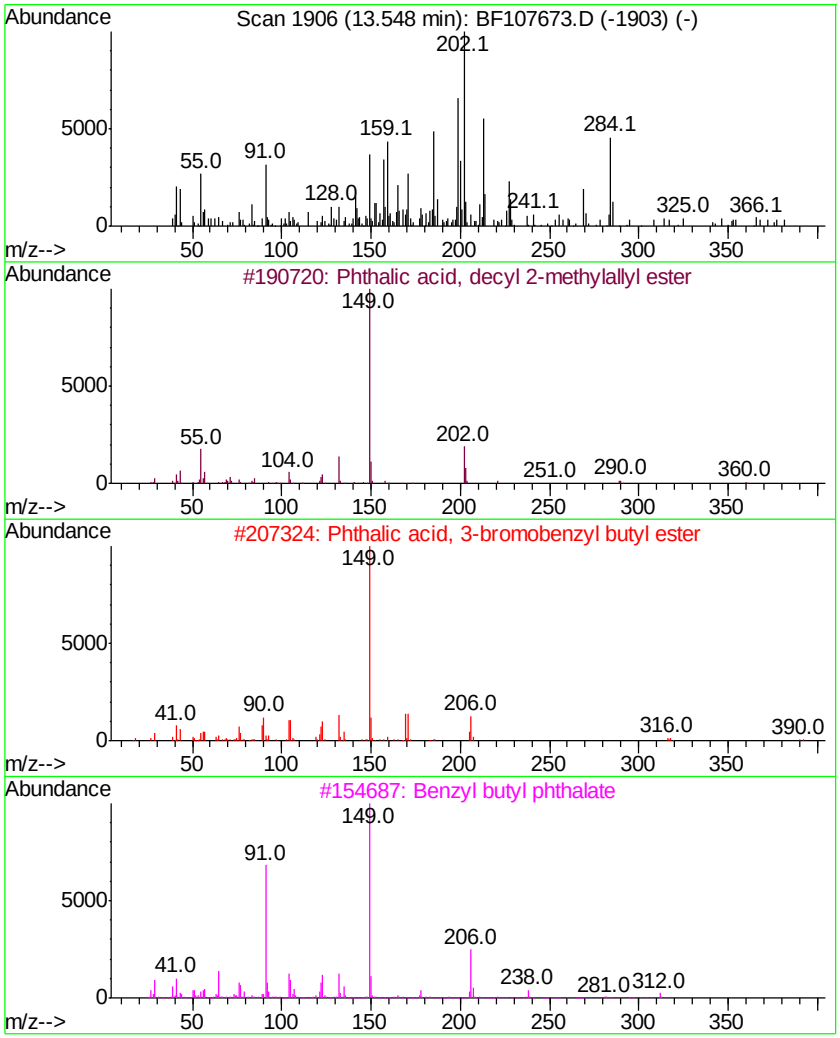
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

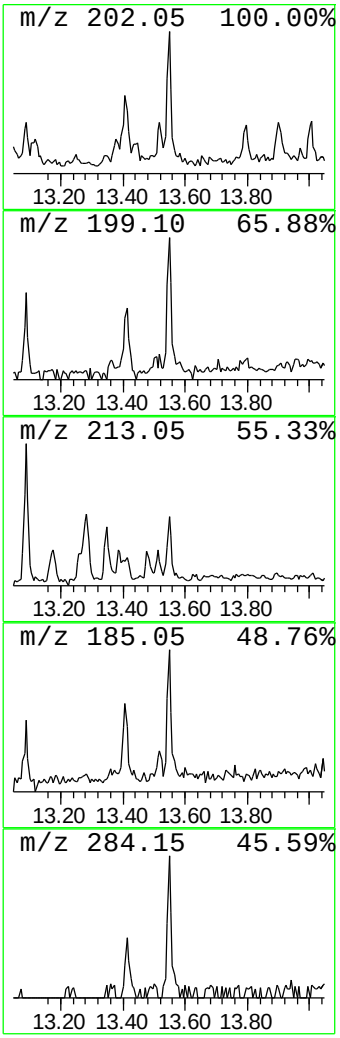
****

Peak Number 10 unknown13.55 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	2.81 ng	197668	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, decyl 2-methylall...	360	C22H32O4	1000315-83-0	38
2	Phthalic acid, 3-bromobenzyl but...	390	C19H19BrO4	1000371-05-3	30
3	Benzyl butyl phthalate	312	C19H20O4	000085-68-7	30
4	2-Methyl-2-(4'-methoxyphenyl)pen...	206	C13H18O2	185700-49-6	27
5	2-Pentene, 2-cyano-3-(diethylbor...	178	C10H19BN2	1000160-60-3	25





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072518\
Data File : BF107673.D
Acq On : 25 Jul 2018 22:32
Operator : JU/SJ
Sample : J4031-09
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PLANTER-DOC-9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.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
2-Pentanone, 4-hy...	5.21	9.5	ng	561452	1	6.97	1178010	20.0
unknown6.74	6.74	59.8	ng	3519710	1	6.97	1178010	20.0
Phenanthrene, 2-m...	12.01	3.0	ng	185604	4	11.51	1216620	20.0
7-Isopropyl-1,1,4...	12.59	2.4	ng	142934	4	11.51	1216620	20.0
11H-Benzo[a]fluorene	13.28	2.4	ng	167760	5	14.16	1407540	20.0
2-Phenanthrenol, ...	13.40	4.3	ng	302596	5	14.16	1407540	20.0
unknown13.52	13.52	3.1	ng	219711	5	14.16	1407540	20.0
unknown13.55	13.55	2.8	ng	197668	5	14.16	1407540	20.0