LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082319\
Data File : BF116498.D
Acq On : 24 Aug 2019 00:53
Operator : HP/JU
Sample : K4385-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T8-A1-A4-(0-2)

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-BF082319.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	2.204	13	20	25	rVB	1672708	2242153	100.00%	8.296%
2	2.304	34	37	45	rVB2	20630	40751	1.82%	0.151%
3	4.775	440	457	458	rBV	22579	80014	3.57%	0.296%
4	5.504	575	581	585	rBV	1840225	1873423	83.55%	6.931%
5	6.510	747	752	754	rBV	2183257	1971206	87.92%	7.293%
6	6.528	754	755	762	rVB	114608	69307	3.09%	0.256%
7	6.651	772	776	780	rBV	2035300	1991289	88.81%	7.367%
8	6.886	812	816	819	rBV	796093	656603	29.28%	2.429%
9	7.039	838	842	846	rVB	1774966	1548913	69.08%	5.731%
10	7.439	903	910	913	rBV	1347879	1144114	51.03%	4.233%
11	7.681	949	951	955	rVB2	25010	27883	1.24%	0.103%
12	8.163	1029	1033	1036	rBV	918626	820265	36.58%	3.035%
13	8.186	1036	1037	1043	rVB3	119211	67214	3.00%	0.249%
14	8.916	1157	1161	1168	rVB	41202	44896	2.00%	0.166%
15	9.239	1211	1216	1219	rBV	2214601	1914580	85.39%	7.084%
16	9.322	1227	1230	1237	rVB5	21461	33080	1.48%	0.122%
17	9.492	1257	1259	1264	rBV	21052	29378	1.31%	0.109%
18	9.575	1270	1273	1275	rBV	50766	45189	2.02%	0.167%
19	9.627	1279	1282	1287	rVB	112106	95299	4.25%	0.353%
20	9.692	1290	1293	1295	rBV2	37963	37490	1.67%	0.139%
21	9.833	1315	1317	1320	rVB2	43408	32895	1.47%	0.122%
22	9.916	1325	1331	1334	rBV	1020577	836280	37.30%	3.094%
23	9.945	1334	1336	1340	rVV	83471	73911	3.30%	0.273%
24	10.022	1345	1349	1350	rBV3	27758	35034	1.56%	0.130%
25	10.116	1362	1365	1369	rVB	117797	98522	4.39%	0.365%
26	10.233	1382	1385	1387	rBV	30011	36600	1.63%	0.135%
27	10.263	1387	1390	1392	rVB2	45902	38616	1.72%	0.143%
28	10.292	1393	1395	1397	rBV3	25324	26528	1.18%	0.098%
29	10.327	1399	1401	1407	rVB4	82768	91081	4.06%	0.337%
30	10.386	1408	1411	1413	rBV3	45969	50588	2.26%	0.187%
31	10.463	1420	1424	1428	rBV	117931	142264	6.34%	0.526%
32	10.698	1460	1464	1468	rBV	1206265	1027640	45.83%	3.802%
33	11.292	1563	1565	1570	rBV	119754	158150	7.05%	0.585%
34	11.398	1580	1583	1585	rBV	688997	639909	28.54%	2.368%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082319\
Data File : BF116498.D
Acq On : 24 Aug 2019 00:53
Operator : HP/JU
Sample : K4385-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T8-A1-A4-(0-2)

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-BF082319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.427	1585	1588	1591	rVV	1632291	1414104	63.07%	5.232%
36	11.474	1594	1596	1599	rVB	271486	223648	9.97%	0.827%
37	11.933	1671	1674	1676	rBV	363571	322134	14.37%	1.192%
38	12.016	1685	1688	1690	rBV2	217925	240066	10.71%	0.888%
39	12.615	1786	1790	1793	rVB	1746559	1509745	67.33%	5.586%
40	12.845	1823	1829	1832	rBV2	1336402	1425828	63.59%	5.275%
41	12.986	1849	1853	1860	rVB	1499929	1446184	64.50%	5.351%
42	13.880	2002	2005	2009	rBV2	465944	518566	23.13%	1.919%
43	14.033	2027	2031	2034	rBV3	913114	1314417	58.62%	4.863%
44	14.062	2034	2036	2042	rVB	654572	592684	26.43%	2.193%

Sum of corrected areas: 27028441

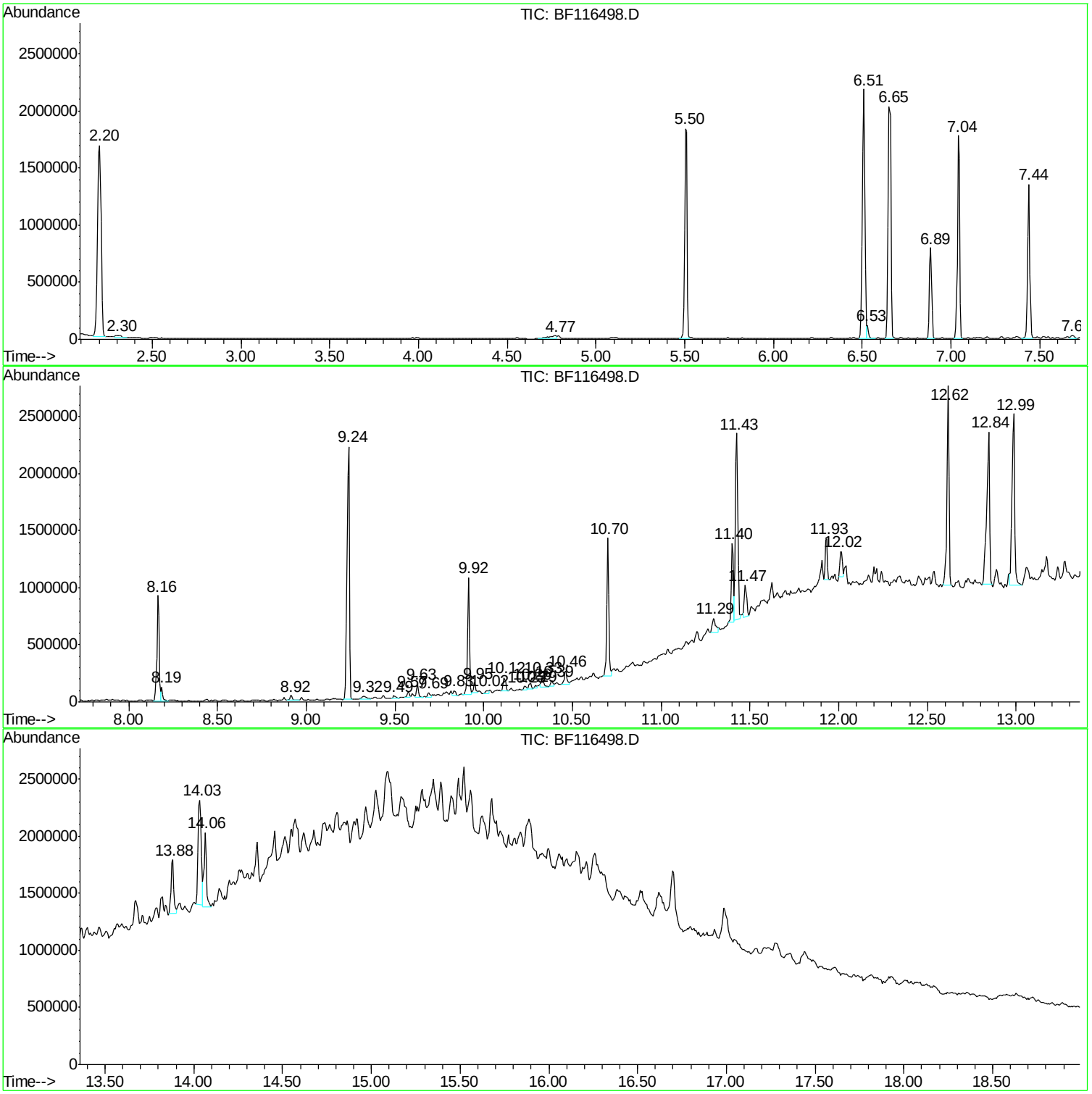
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082319\
Data File : BF116498.D
Acq On : 24 Aug 2019 00:53
Operator : HP/JU
Sample : K4385-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T8-A1-A4-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082319.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\BF082319\
Data File : BF116498.D
Acq On : 24 Aug 2019 00:53
Operator : HP/JU
Sample : K4385-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T8-A1-A4-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

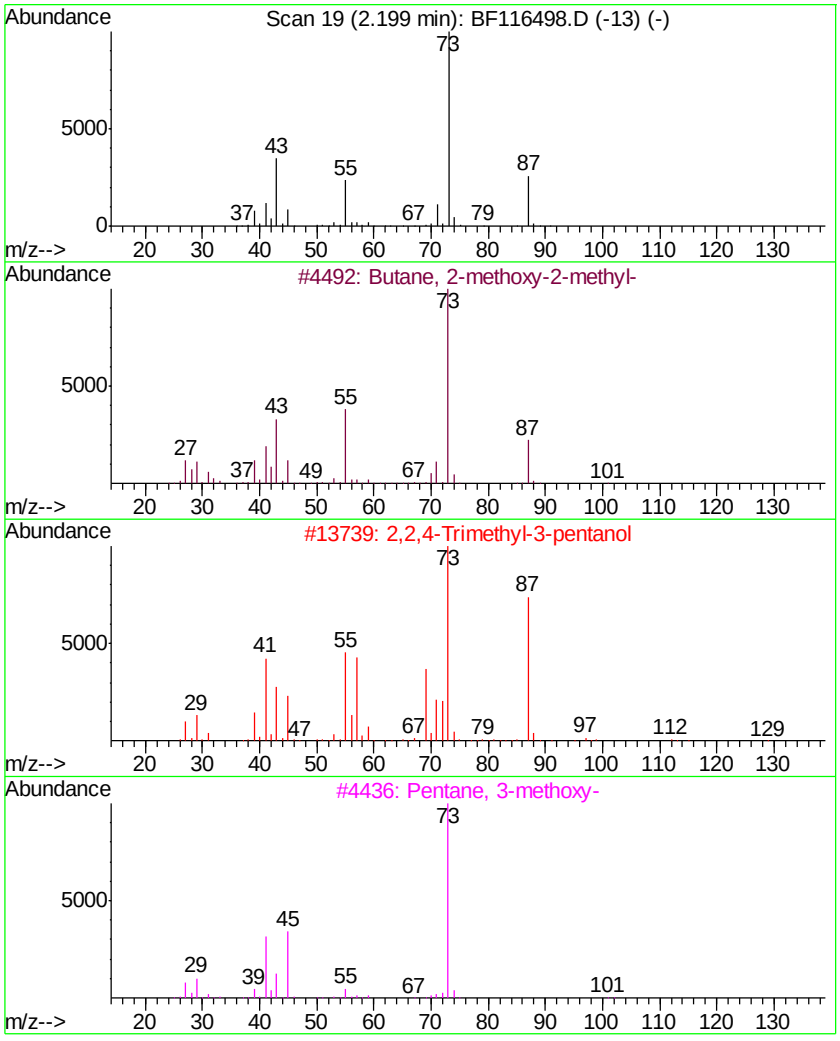
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

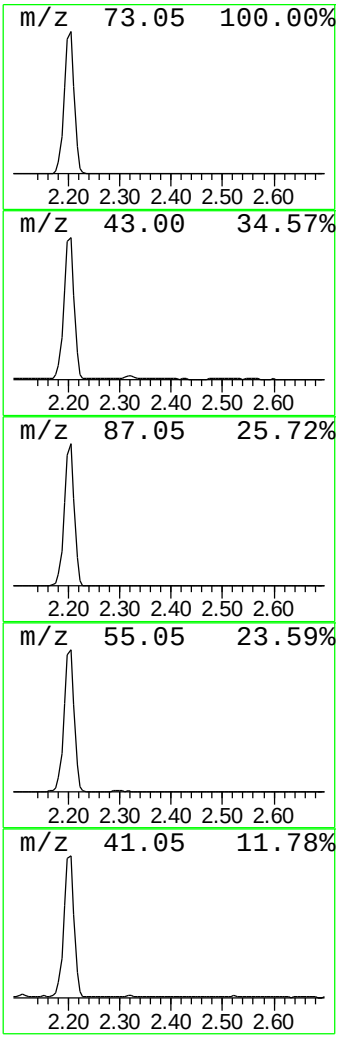
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.20	68.30 ng	2242150	1,4-Dichlorobenzene-d4	6.89

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	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082319\
Data File : BF116498.D
Acq On : 24 Aug 2019 00:53
Operator : HP/JU
Sample : K4385-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T8-A1-A4-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

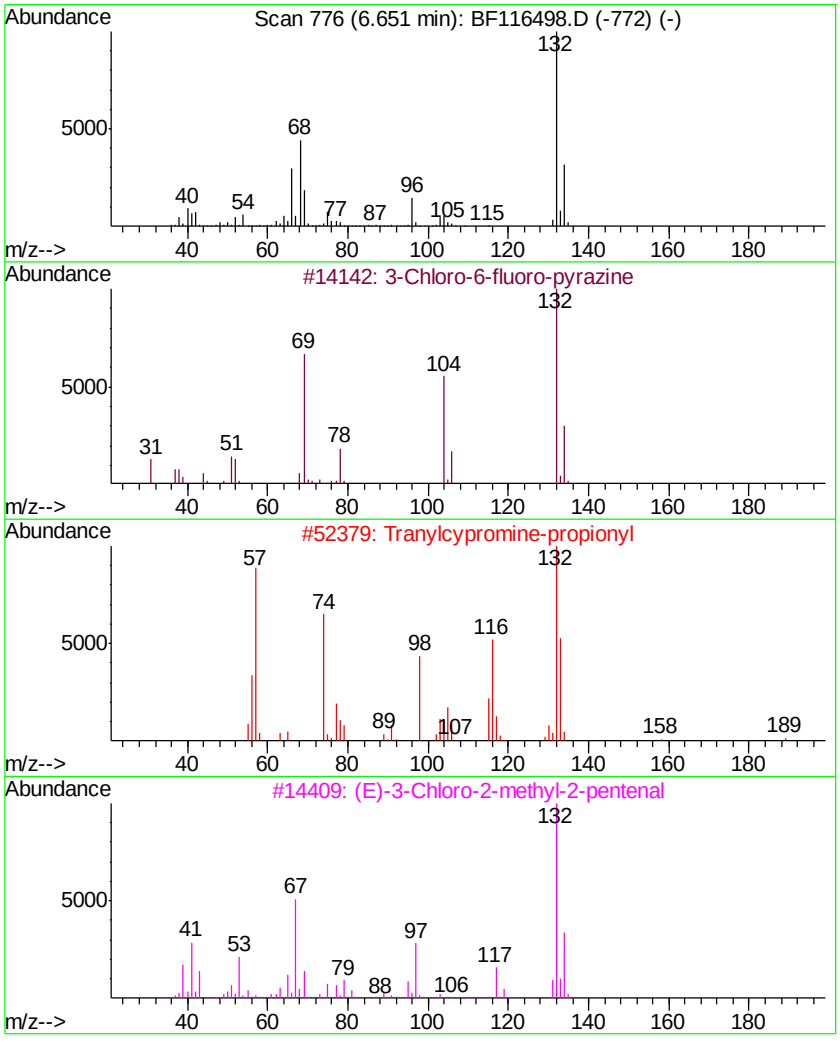
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

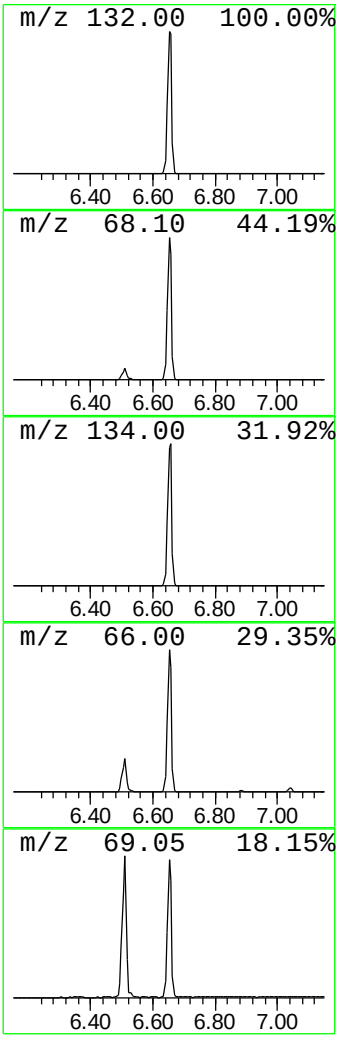
****

Peak Number 3 unknown6.65 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	60.65 ng	1991290	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082319\
Data File : BF116498.D
Acq On : 24 Aug 2019 00:53
Operator : HP/JU
Sample : K4385-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T8-A1-A4-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

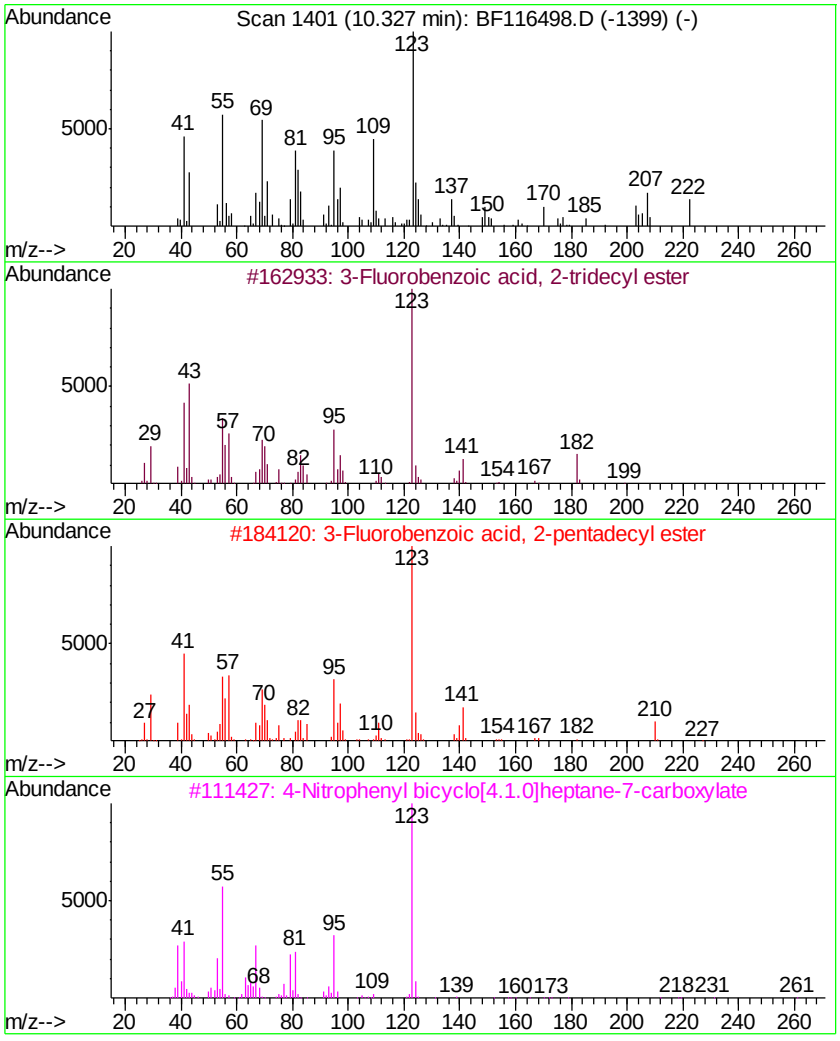
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

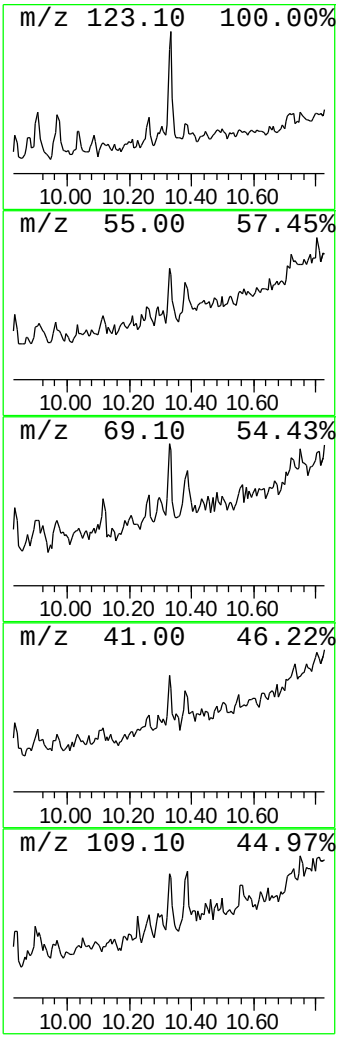
****

Peak Number 6 unknown10.33 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.33	2.18 ng	91081	Acenaphthene-d10	9.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Fluorobenzoic acid, 2-tridecyl...	322	C20H31FO2	1000280-60-2	47
2	3-Fluorobenzoic acid, 2-pentadec...	350	C22H35FO2	1000280-60-7	40
3	4-Nitrophenyl bicyclo[4.1.0]hept...	261	C14H15NO4	328938-65-4	38
4	Cyclohexene, 1,5,5-trimethyl-6-a...	180	C12H20O	211563-96-1	38
5	Cyclopentene, 1,3-dimethyl-2-(1-...	138	C10H18	061142-32-3	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082319\
Data File : BF116498.D
Acq On : 24 Aug 2019 00:53
Operator : HP/JU
Sample : K4385-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T8-A1-A4-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

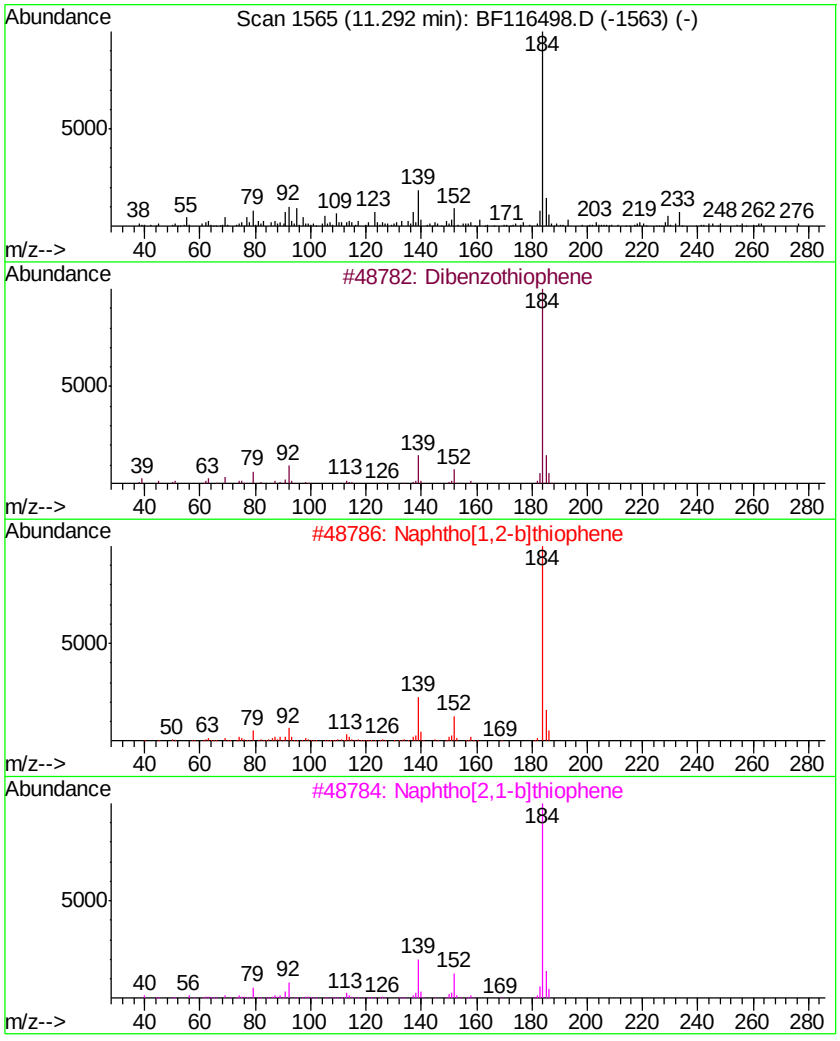
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

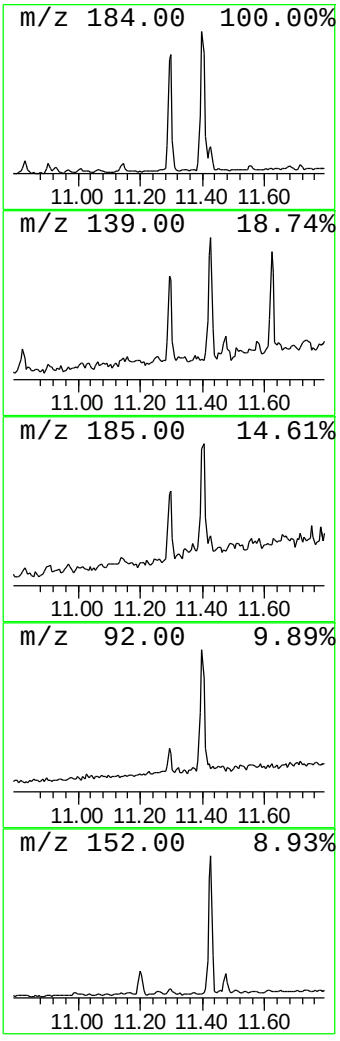
****

Peak Number 7 Dibenzothiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	4.94 ng	158150	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	96
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	87
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	81





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082319\
Data File : BF116498.D
Acq On : 24 Aug 2019 00:53
Operator : HP/JU
Sample : K4385-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T8-A1-A4-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

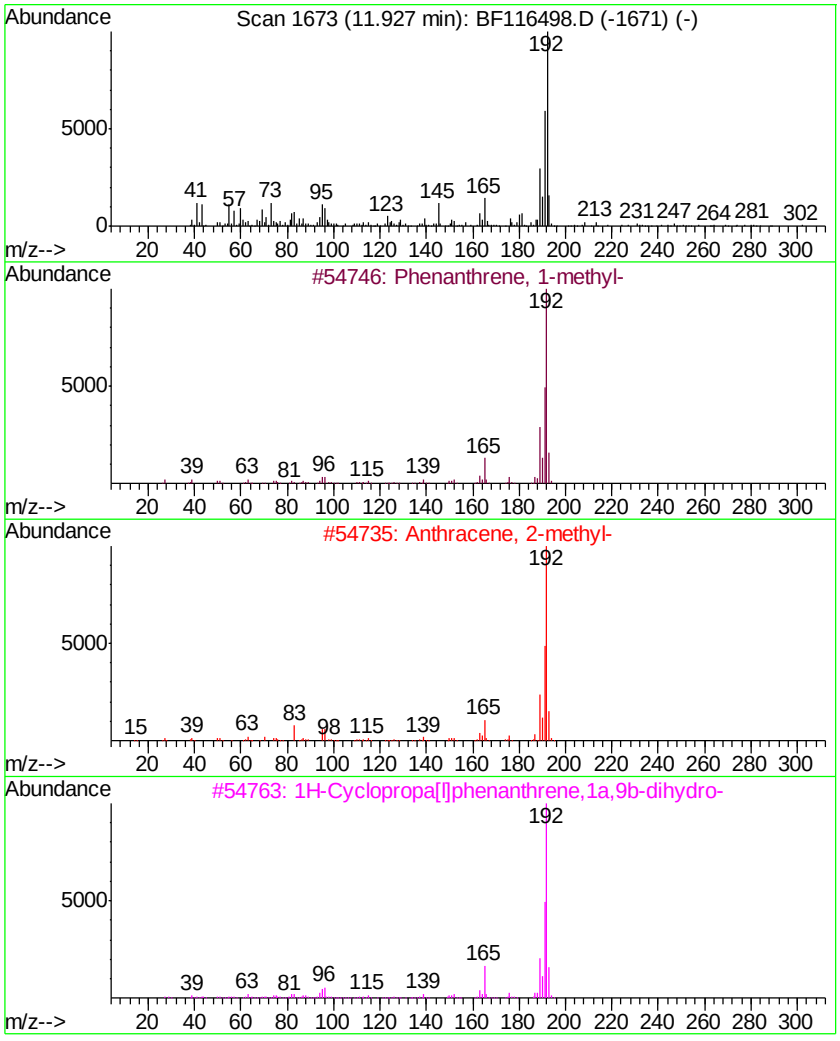
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

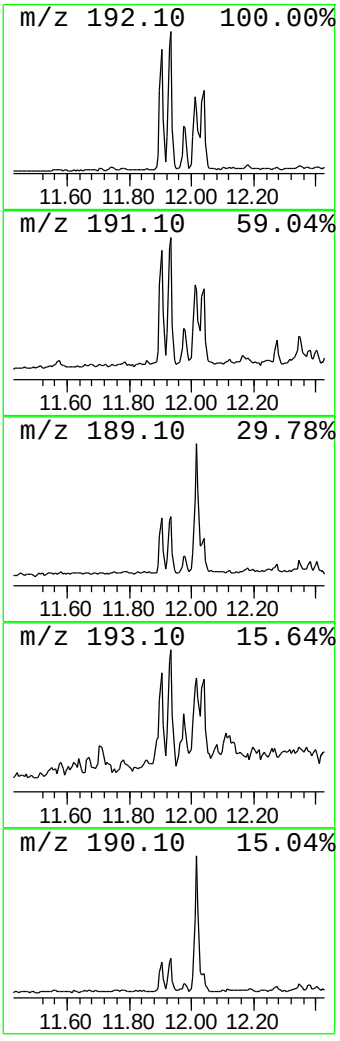
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	10.07 ng	322134	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082319\
Data File : BF116498.D
Acq On : 24 Aug 2019 00:53
Operator : HP/JU
Sample : K4385-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T8-A1-A4-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

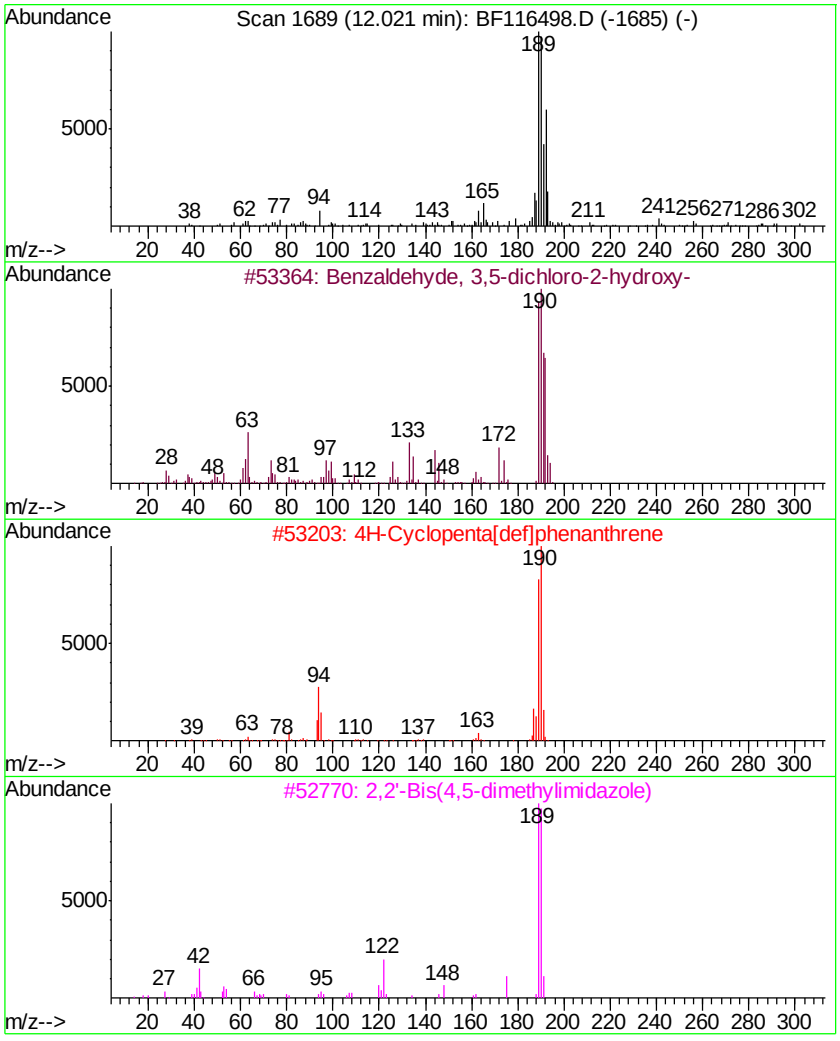
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

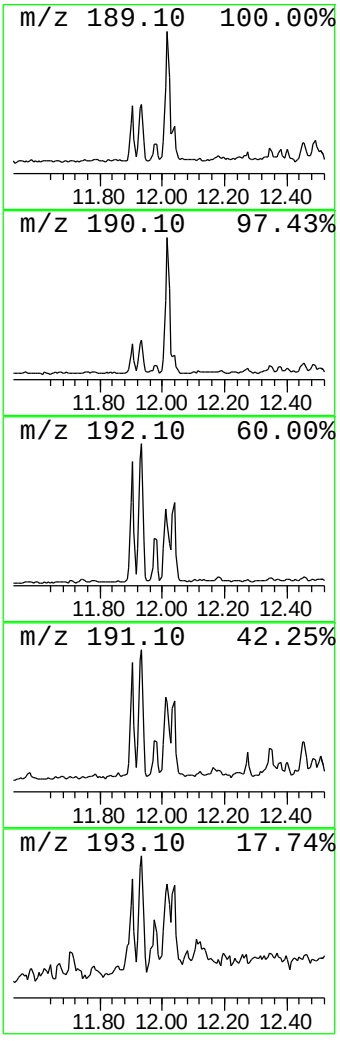
****

Peak Number 9 Benzaldehyde, 3,5-dichloro-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	7.50 ng	240066	Phenanthrene-d10	11.40

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	58
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	47
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	30





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082319\
Data File : BF116498.D
Acq On : 24 Aug 2019 00:53
Operator : HP/JU
Sample : K4385-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T8-A1-A4-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

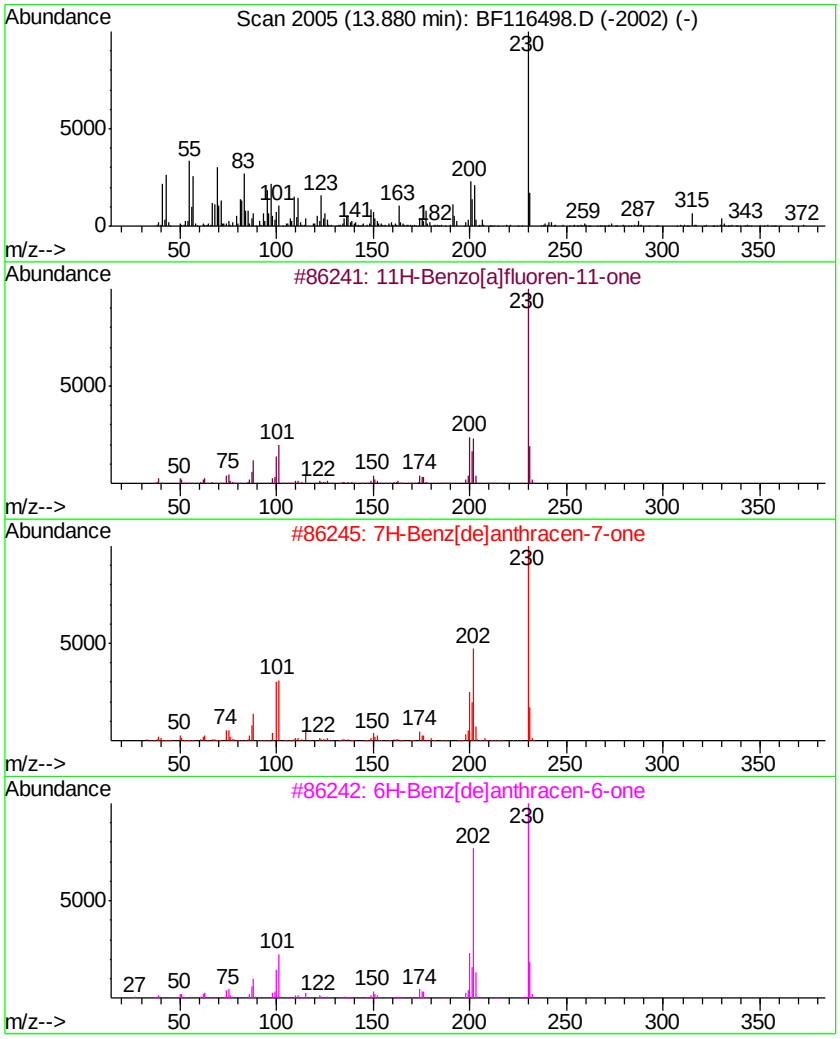
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

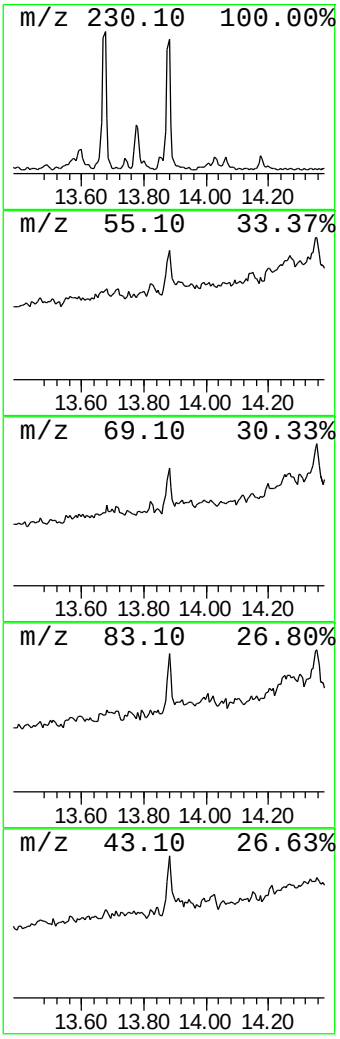
****

Peak Number 10 11H-Benzo[a]fluoren-11-one Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	7.89 ng	518566	Chrysene-d12	14.04

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	62
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	50
4	o-Terphenyl	230	C18H14	000084-15-1	46
5	p-Terphenyl	230	C18H14	000092-94-4	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF082319\
Data File : BF116498.D
Acq On : 24 Aug 2019 00:53
Operator : HP/JU
Sample : K4385-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T8-A1-A4-(0-2)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082319.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...	2.20	68.3	ng	2242150	1	6.89	656603	20.0
unknown6.65	6.65	60.6	ng	1991290	1	6.89	656603	20.0
unknown10.33	10.33	2.2	ng	91081	3	9.92	836280	20.0
Dibenzothiophene	11.29	4.9	ng	158150	4	11.40	639909	20.0
Phenanthrene, 1-m...	11.93	10.1	ng	322134	4	11.40	639909	20.0
Benzaldehyde, 3,5...	12.02	7.5	ng	240066	4	11.40	639909	20.0
11H-Benzo[a]fluor...	13.88	7.9	ng	518566	5	14.04	1314420	20.0