LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062019\
Data File : BG041355.D
Acq On : 20 Jun 2019 13:55
Operator : HP/JU
Sample : K3158-03 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-061719

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_G\METHODS\8270-BG061719.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	3.146	5	10	19	rVB	91946	135088	10.41%	1.062%
2	4.609	255	259	265	rBV2	9571	15073	1.16%	0.118%
3	5.614	423	430	439	rBV	352769	571746	44.06%	4.495%
4	7.230	698	705	718	rVB	402907	695032	53.56%	5.464%
5	7.600	761	768	781	rVB	372956	663869	51.16%	5.219%
6	8.070	843	848	856	rBV	144402	247124	19.05%	1.943%
7	8.399	897	904	914	rVB	282202	492017	37.92%	3.868%
8	9.251	1041	1049	1059	rBV	237022	440405	33.94%	3.462%
9	10.896	1321	1329	1345	rBV	200248	363034	27.98%	2.854%
10	13.328	1737	1743	1750	rVB	635439	968492	74.64%	7.614%
11	14.033	1858	1863	1867	rBV6	11626	20167	1.55%	0.159%
12	14.151	1879	1883	1889	rBV	56943	90804	7.00%	0.714%
13	14.269	1898	1903	1908	rBV7	7071	14552	1.12%	0.114%
14	14.439	1928	1932	1936	rBV3	14598	25688	1.98%	0.202%
15	14.521	1943	1946	1949	rBV5	8386	14142	1.09%	0.111%
16	14.709	1972	1978	1986	rVB2	303740	472800	36.44%	3.717%
17	15.173	2053	2057	2061	rVB6	14712	24788	1.91%	0.195%
18	15.314	2075	2081	2086	rBV8	15426	38595	2.97%	0.303%
19	15.461	2103	2106	2110	rBV6	8187	13156	1.01%	0.103%
20	15.778	2152	2160	2161	rBV7	36255	78456	6.05%	0.617%
21	16.202	2226	2232	2239	rVB	473081	729377	56.21%	5.734%
22	16.860	2337	2344	2345	rBV7	140553	278206	21.44%	2.187%
23	17.288	2412	2417	2419	rBV4	187244	343352	26.46%	2.699%
24	17.459	2441	2446	2450	rVB	404005	599641	46.21%	4.714%
25	18.035	2542	2544	2550	rVB2	23953	29175	2.25%	0.229%
26	18.311	2586	2591	2598	rBV2	116307	255914	19.72%	2.012%
27	18.375	2598	2602	2609	rVB	78755	122048	9.41%	0.959%
28	18.516	2621	2626	2631	rBV2	76563	176336	13.59%	1.386%
29	18.822	2674	2678	2681	rBV2	42386	62100	4.79%	0.488%
30	19.034	2712	2714	2715	rBV2	21427	18225	1.40%	0.143%
31	19.116	2725	2728	2731	rVB	45941	51126	3.94%	0.402%
32	19.233	2742	2748	2753	rBV2	124565	292636	22.55%	2.301%
33	19.504	2789	2794	2799	rBV	439680	616393	47.50%	4.846%
34	19.833	2846	2850	2852	rBV2	69009	107099	8.25%	0.842%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062019\
Data File : BG041355.D
Acq On : 20 Jun 2019 13:55
Operator : HP/JU
Sample : K3158-03 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-061719

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_G\METHODS\8270-BG061719.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	19.868	2852	2856	2862	rVB	526093	747591	57.61%	5.877%
36	19.932	2863	2867	2870	rBV	75708	119192	9.19%	0.937%
37	20.050	2883	2887	2892	rVB	1029334	1297577	100.00%	10.201%
38	20.320	2931	2933	2936	rBV3	52963	61077	4.71%	0.480%
39	20.649	2987	2989	2993	rVB	75742	77018	5.94%	0.605%
40	21.730	3166	3173	3178	rBV3	416654	1014754	78.20%	7.978%
41	21.777	3179	3181	3190	rVB	227490	336159	25.91%	2.643%

Sum of corrected areas: 12720024

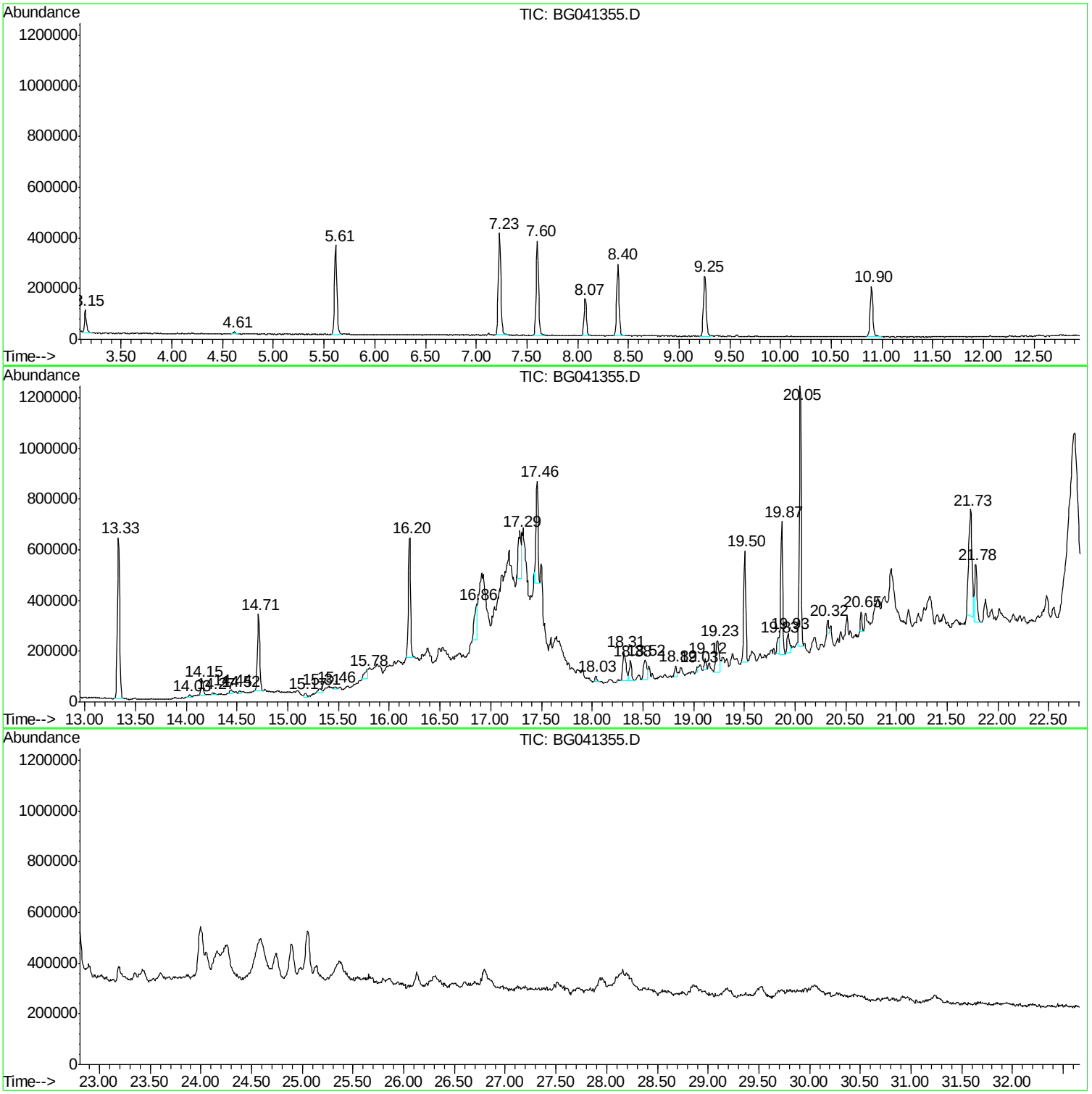
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062019\
Data File : BG041355.D
Acq On : 20 Jun 2019 13:55
Operator : HP/JU
Sample : K3158-03 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-061719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.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_G\DATA\BG062019\
Data File : BG041355.D
Acq On : 20 Jun 2019 13:55
Operator : HP/JU
Sample : K3158-03 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-061719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

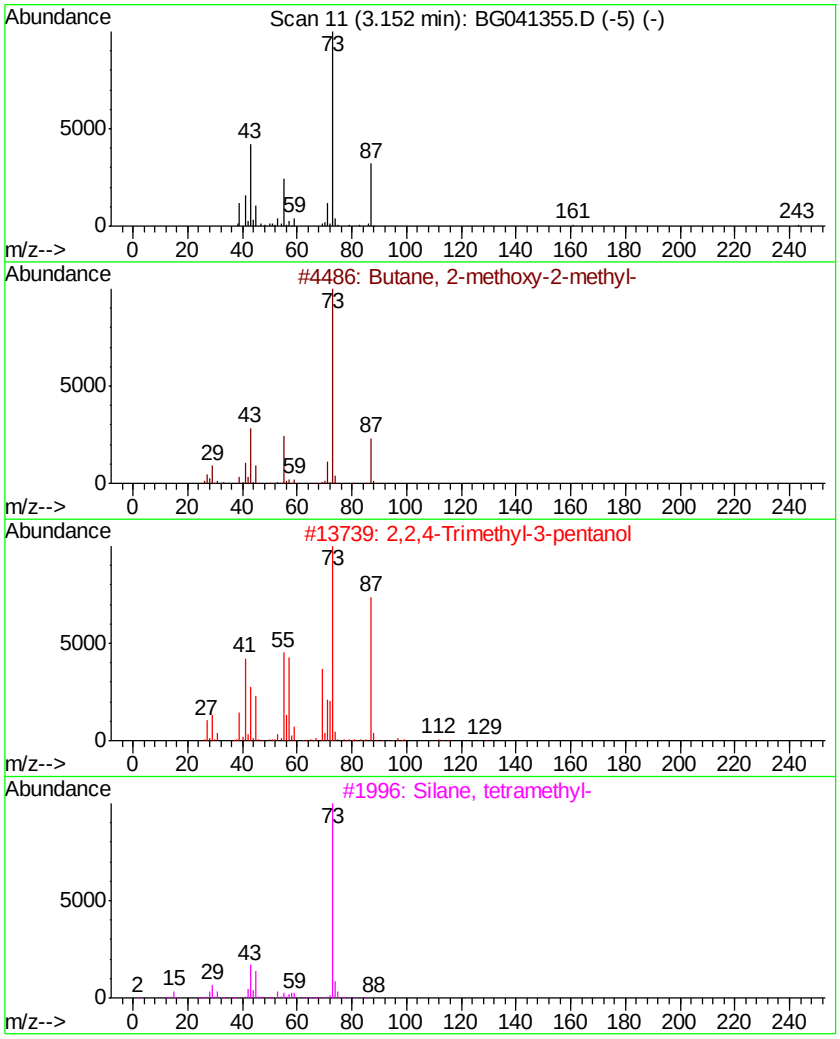
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

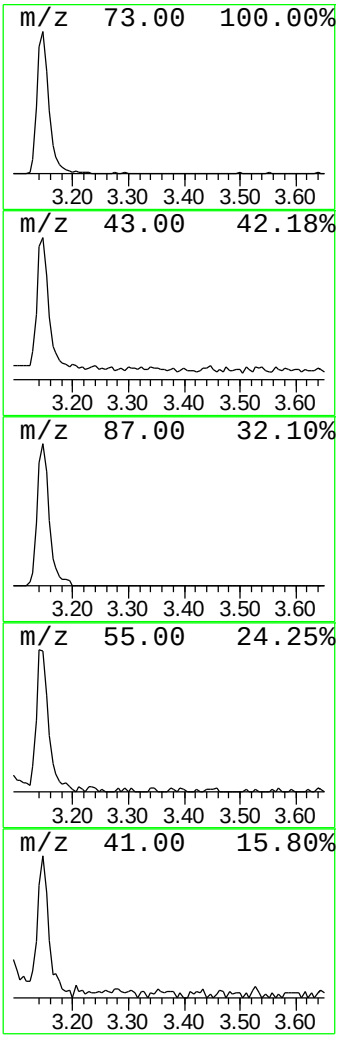
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.15	10.93 ng	135088	1,4-Dichlorobenzene-d4	8.08

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	40
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	38
4	Butanoic acid, 2-hydroxy-2-methy...	132	C6H12O3	032793-34-3	37
5	1-(2-Methoxyethoxy)-2-methyl-2-p...	162	C8H18O3	1000364-24-4	25





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062019\
Data File : BG041355.D
Acq On : 20 Jun 2019 13:55
Operator : HP/JU
Sample : K3158-03 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-061719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

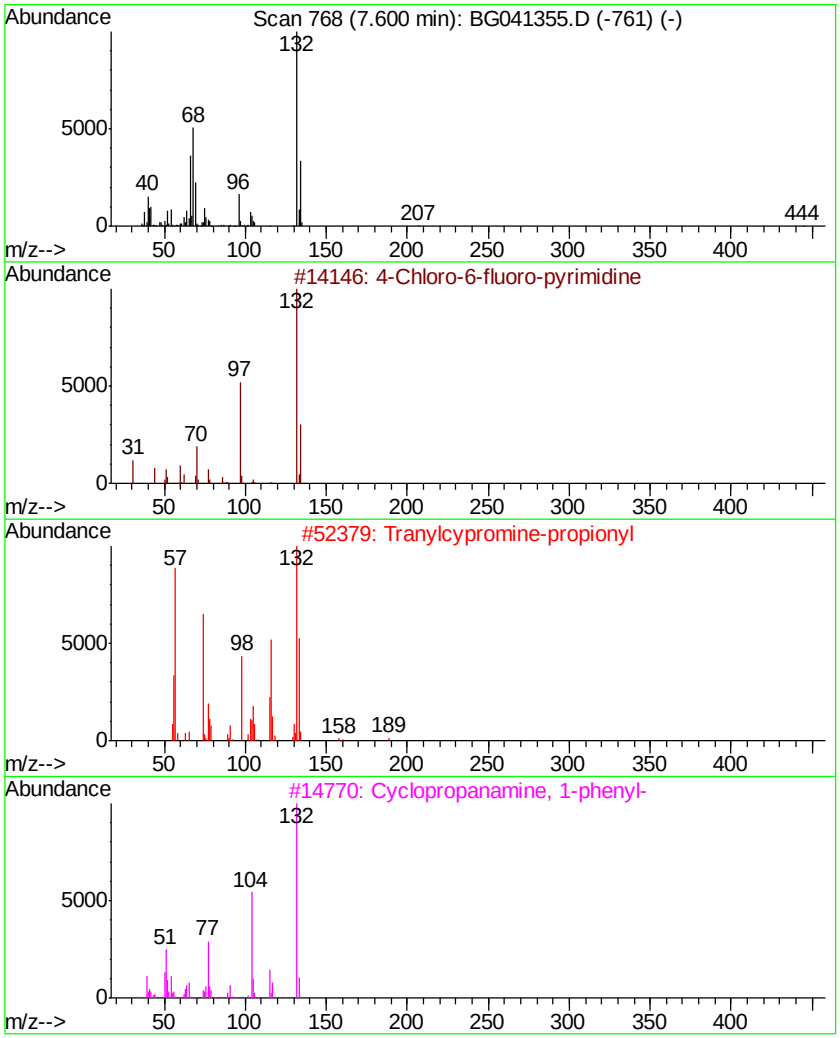
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

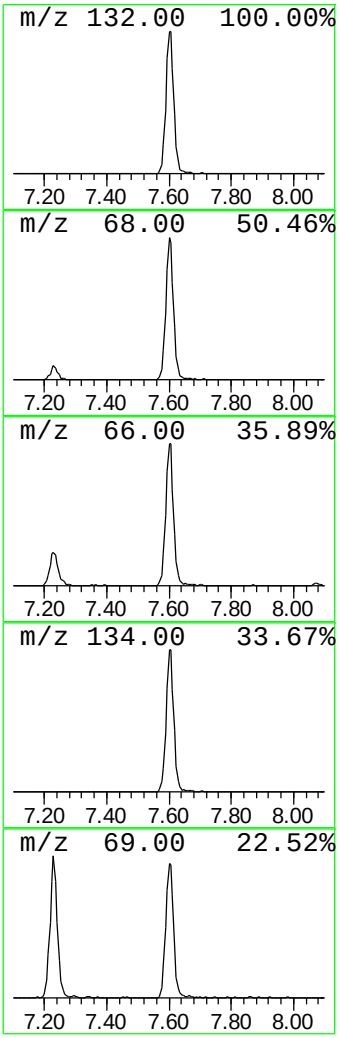
****

Peak Number 2 unknown7.60 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.60	53.73 ng	663869	1,4-Dichlorobenzene-d4	8.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	22
3	Cyclopropanamine, 1-phenyl-	133	C9H11N	1000351-26-2	22
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	16





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062019\
Data File : BG041355.D
Acq On : 20 Jun 2019 13:55
Operator : HP/JU
Sample : K3158-03 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-061719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

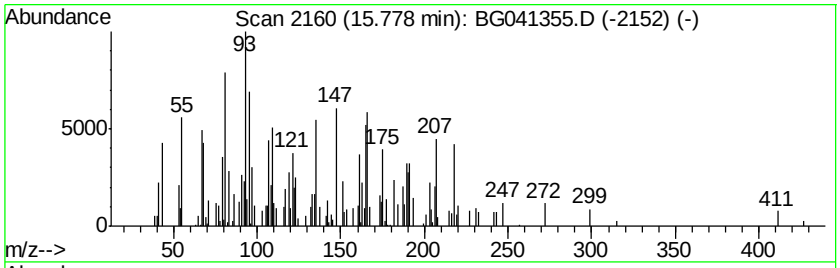
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

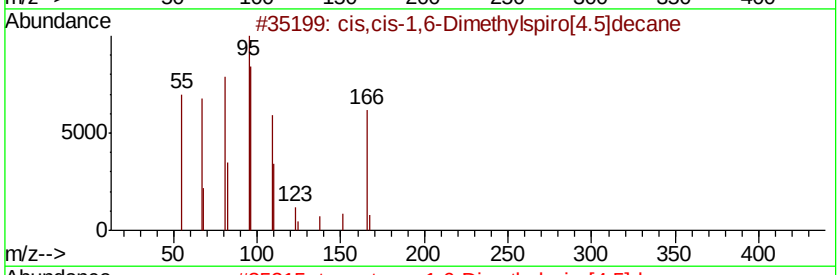
****

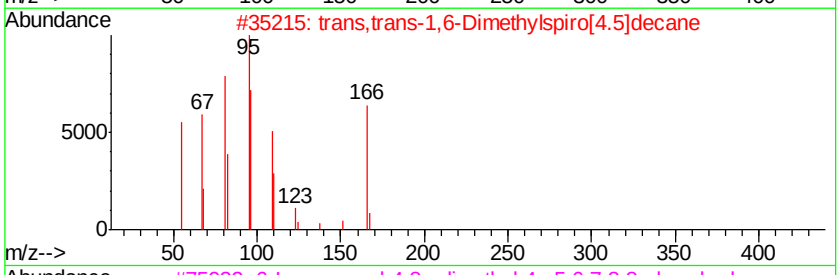
Peak Number 4 unknown15.78 Concentration Rank 10

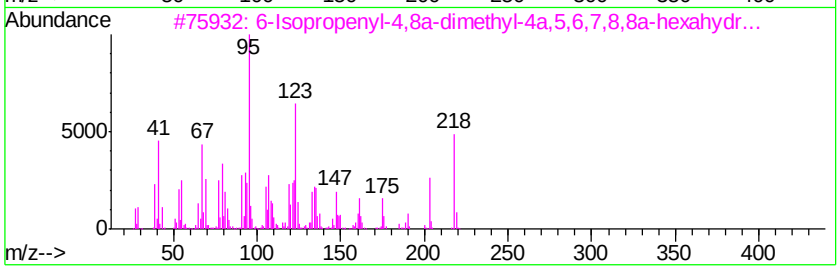
R.T.	EstConc	Area	Relative to ISTD	R.T.
15.78	3.32 ng	78456	Acenaphthene-d10	14.71

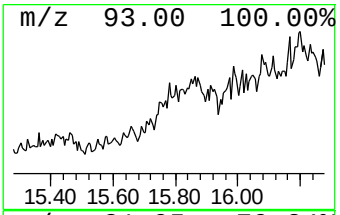
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis,cis-1,6-Dimethylspiro[4.5]de...	166	C12H22	1000111-72-4	25
2	trans,trans-1,6-Dimethylspiro[4....	166	C12H22	1000111-72-1	25
3	6-Isopropenyl-4,8a-dimethyl-4a,5...	218	C15H22O	086917-79-5	15
4	1,4-Methanoazulen-7(1H)-one, oct...	220	C15H24O	018319-28-3	11
5	Ethionamide	166	C8H10N2S	000536-33-4	11

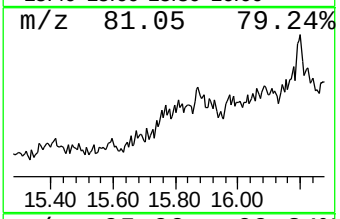


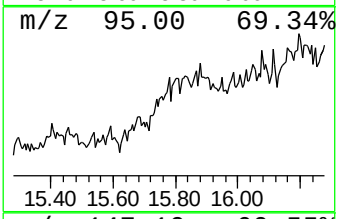


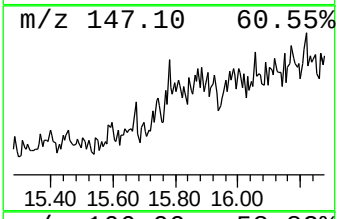


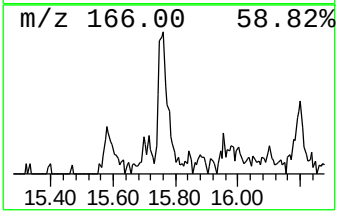












Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062019\
Data File : BG041355.D
Acq On : 20 Jun 2019 13:55
Operator : HP/JU
Sample : K3158-03 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-061719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

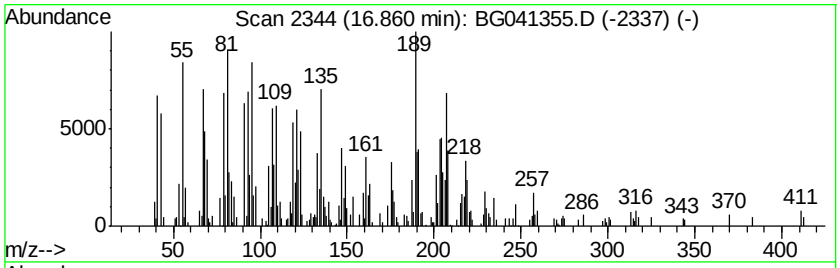
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

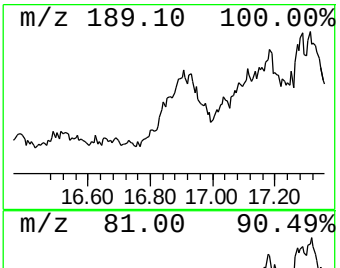
****

Peak Number 5 2-Isopropenyl-4a,8-dimethyl... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.86	9.28 ng	278206	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Isopropenyl-4a,8-dimethyl-1,2,...	204	C15H24	1000193-57-0	86
2	Azulene, 1,2,3,3a,4,5,6,7-octahy...	204	C15H24	022567-17-5	53
3	Guaia-9,11-diene	204	C15H24	1000374-19-8	50
4	Naphthalene, 2,3,4,4a,5,6-hexahy...	204	C15H24	000473-14-3	44
5	Naphthalene, decahydro-4a-methyl...	204	C15H24	017066-67-0	44





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062019\
Data File : BG041355.D
Acq On : 20 Jun 2019 13:55
Operator : HP/JU
Sample : K3158-03 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-061719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

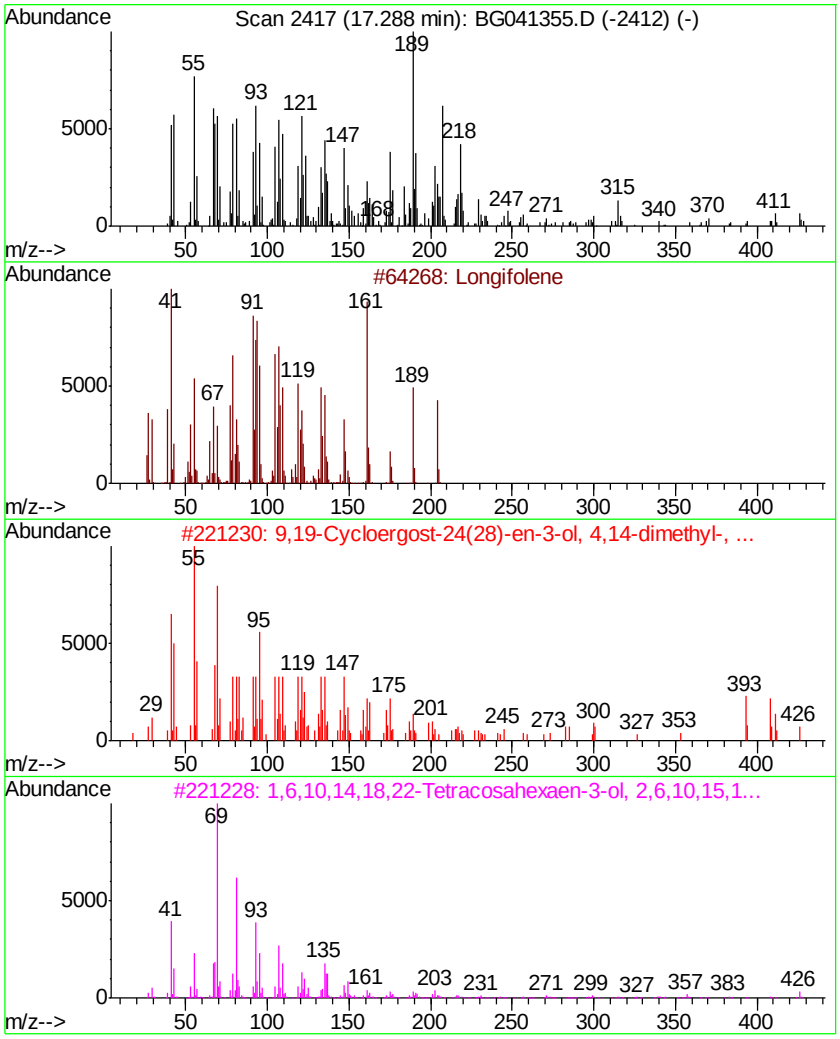
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

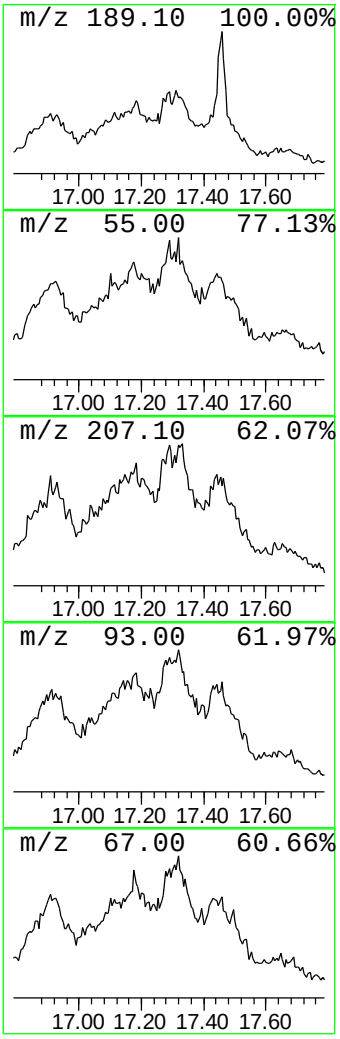
****

Peak Number 6 unknown17.29 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.29	11.45 ng	343352	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Longifolene	204	C15H24	000475-20-7	47
2	9,19-Cycloergost-24(28)-en-3-ol,...	426	C30H50O	000469-39-6	44
3	1,6,10,14,18,22-Tetracosahexaen-...	426	C30H50O	054159-46-5	42
4	Lupeol	426	C30H50O	000545-47-1	38
5	Diepicedrene-1-oxide	220	C15H24O	1000156-11-0	35





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Data File : BG041355.D
Acq On : 20 Jun 2019 13:55
Operator : HP/JU
Sample : K3158-03 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-061719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

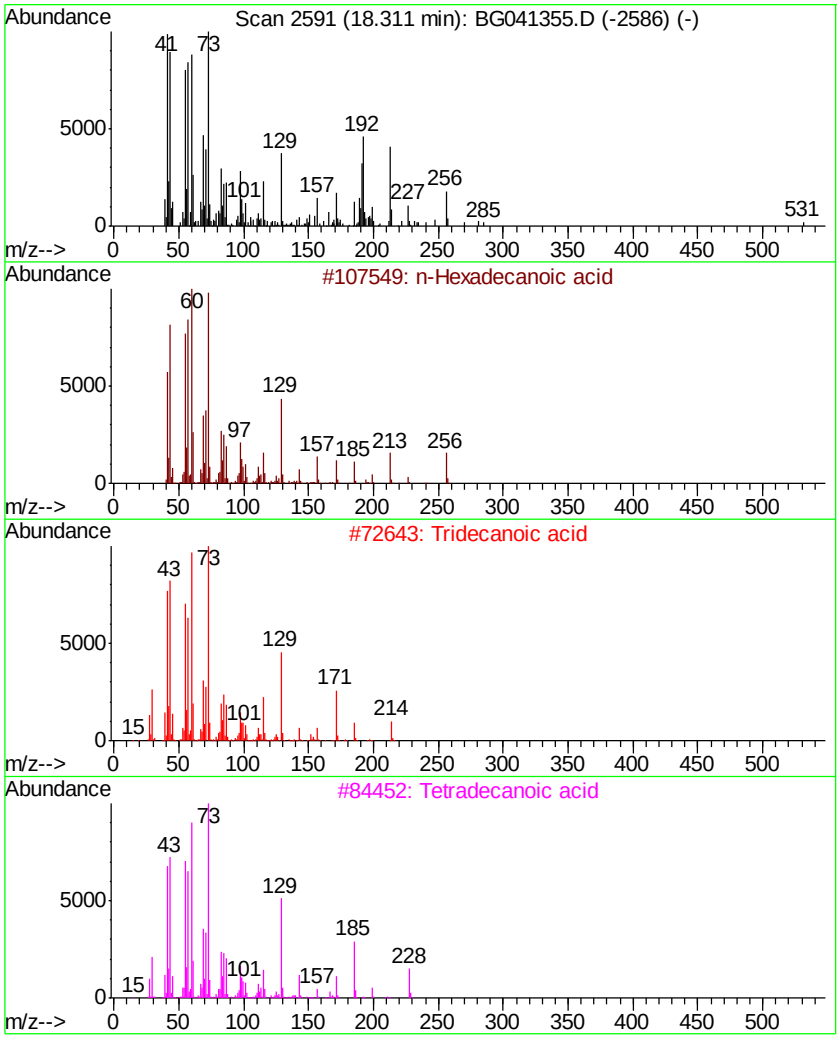
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

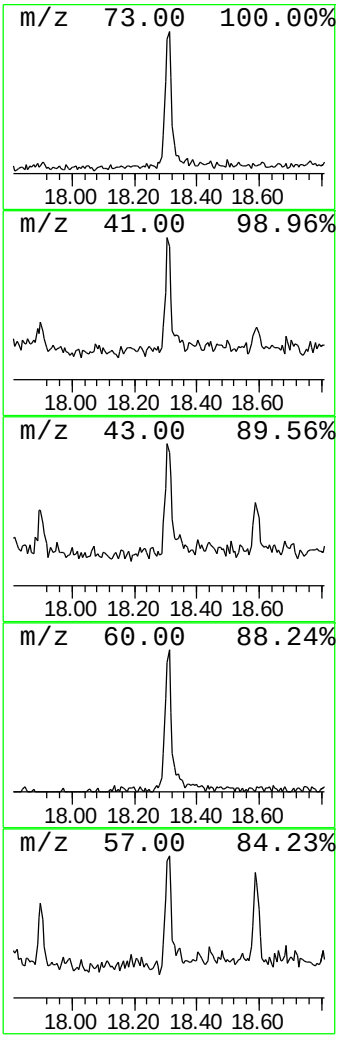
****

Peak Number 7 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	8.54 ng	255914	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Tridecanoic acid	214	C13H26O2	000638-53-9	78
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	78
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	60
5	1-Phenazinecarboxylic acid, 6-[1...	506	C31H42N2O4	120464-92-8	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062019\
Data File : BG041355.D
Acq On : 20 Jun 2019 13:55
Operator : HP/JU
Sample : K3158-03 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-061719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

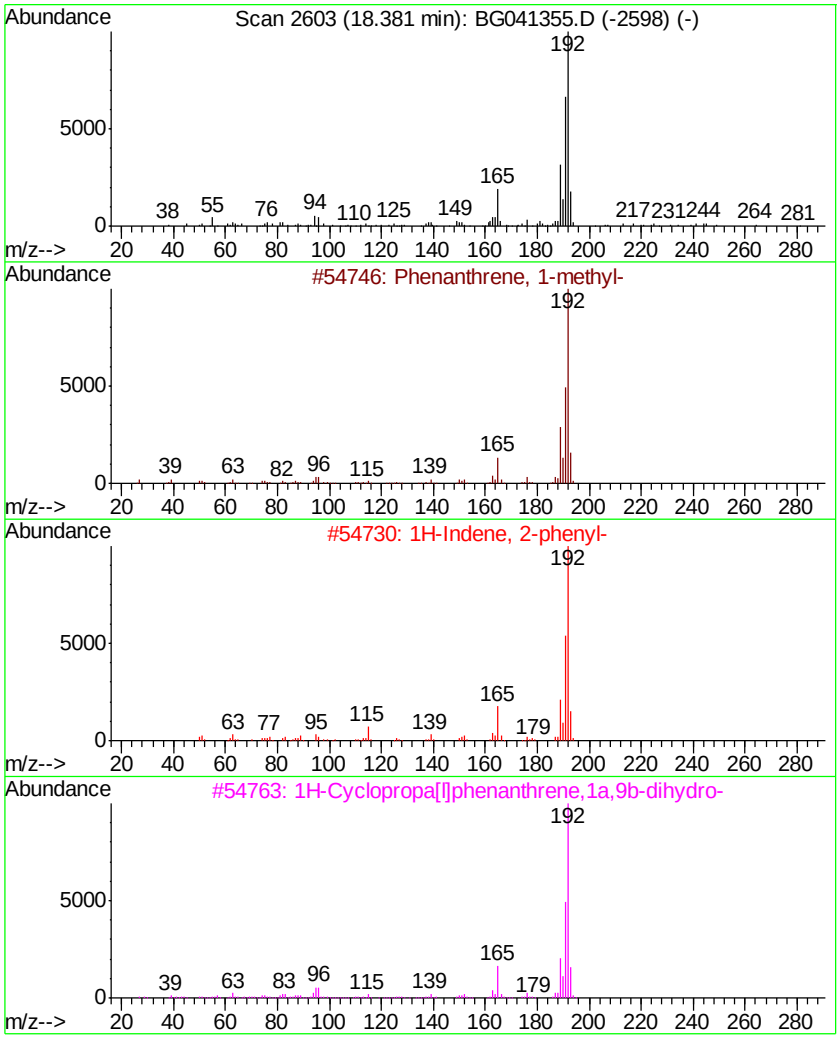
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

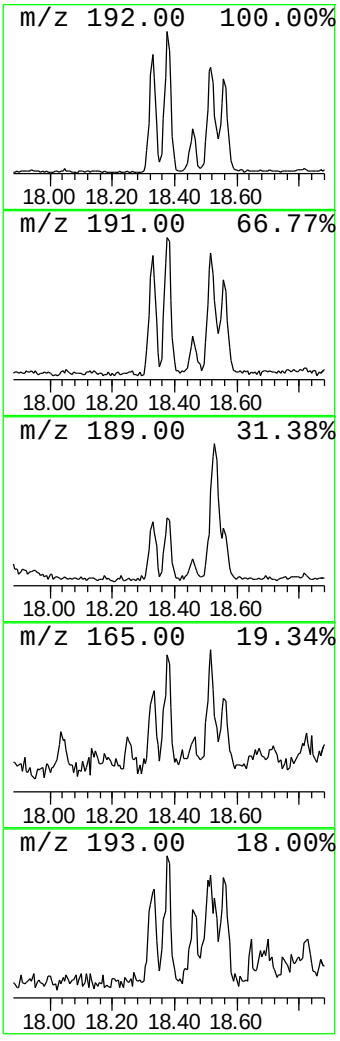
****

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.38	4.07 ng	122048	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062019\
Data File : BG041355.D
Acq On : 20 Jun 2019 13:55
Operator : HP/JU
Sample : K3158-03 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-061719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

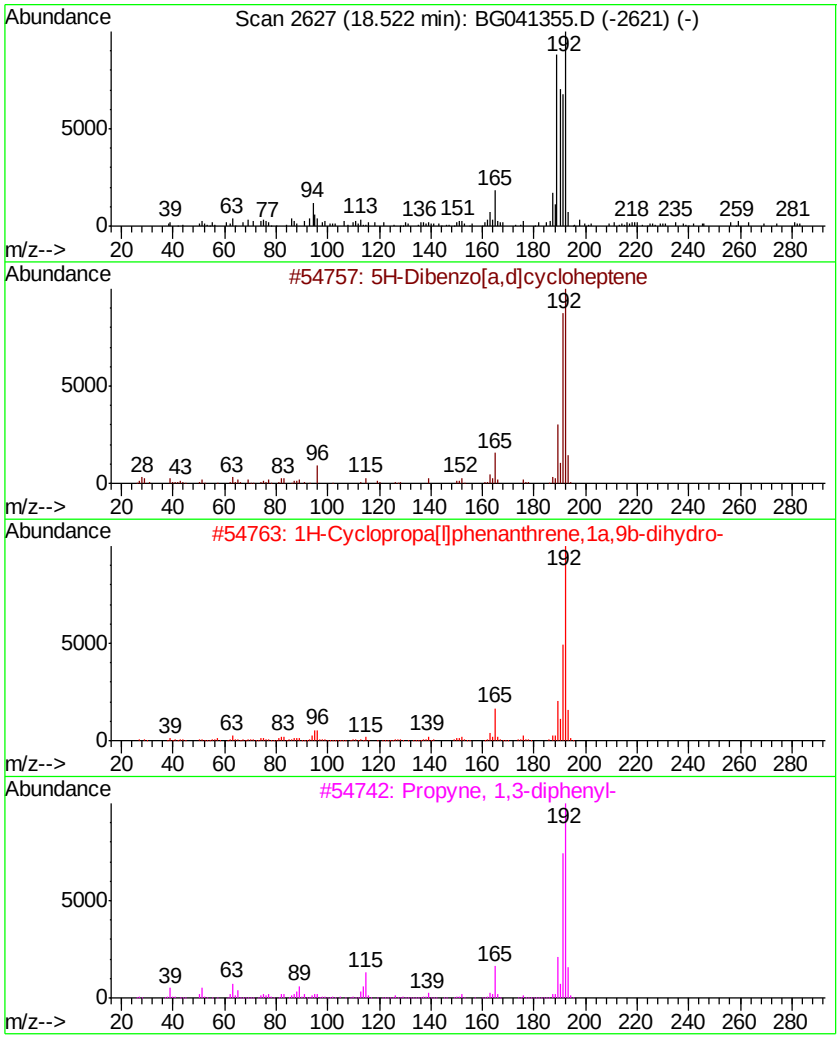
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

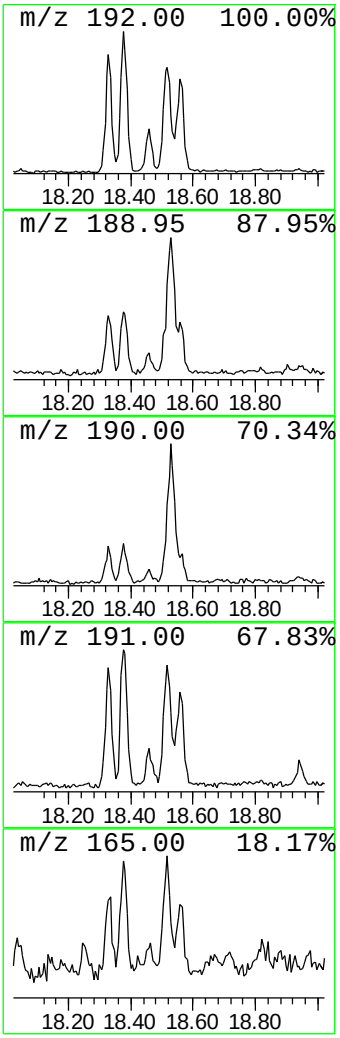
****

Peak Number 9 5H-Dibenzo[a,d]cycloheptene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.52	5.88 ng	176336	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	60
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	53
3	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	53
4	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	53
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	52





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Misc :
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Instrument : BNA_G
ClientSampleId : OK-01-061719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
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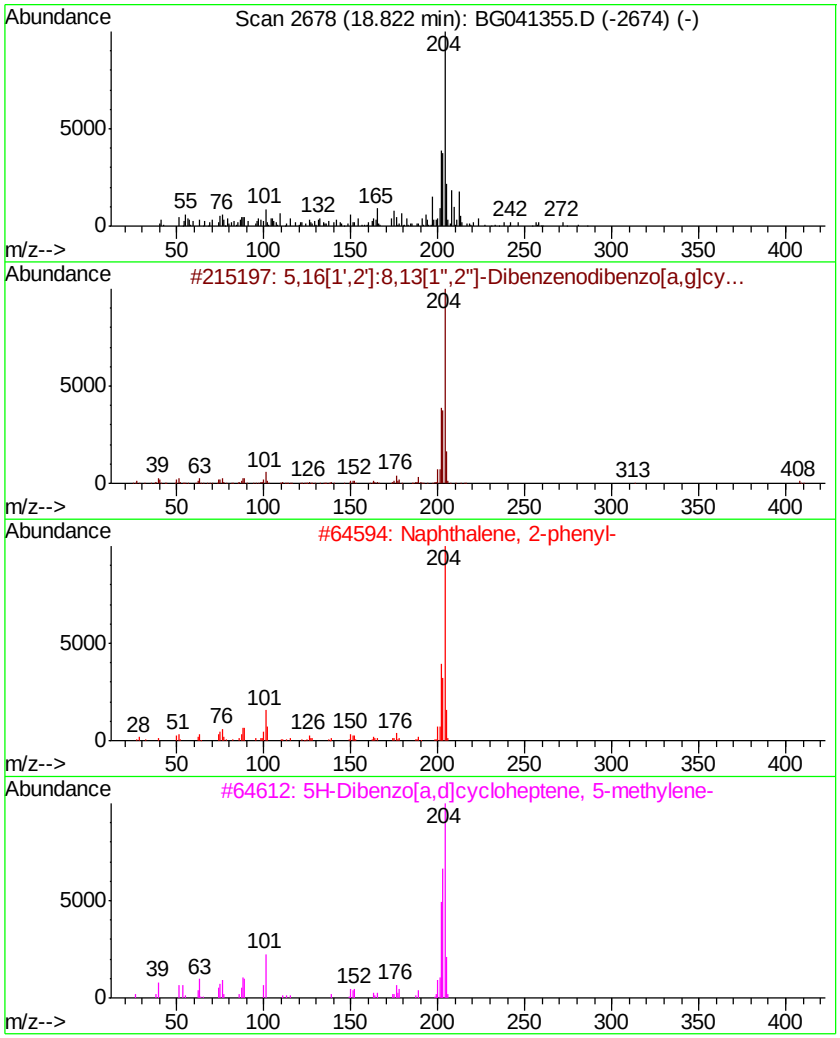
TIC Integration Parameters: LSCINT.P

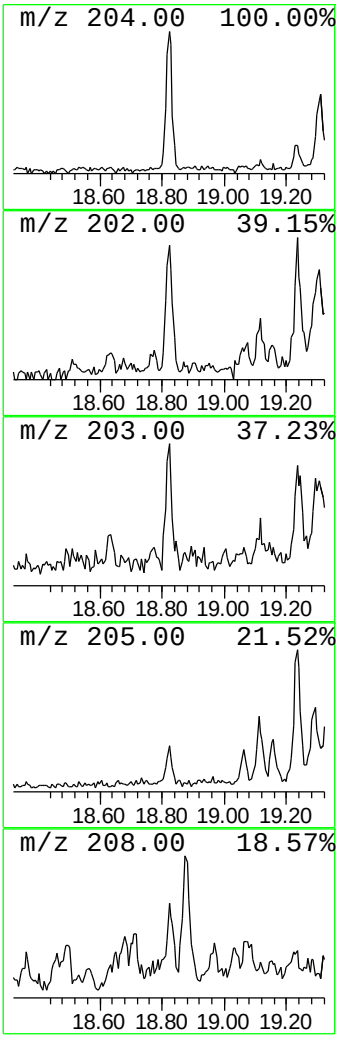
****

Peak Number 10 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	2.07 ng	62100	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	53
3	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	50
4	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	50
5	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	50





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Operator : HP/JU
Sample : K3158-03 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-061719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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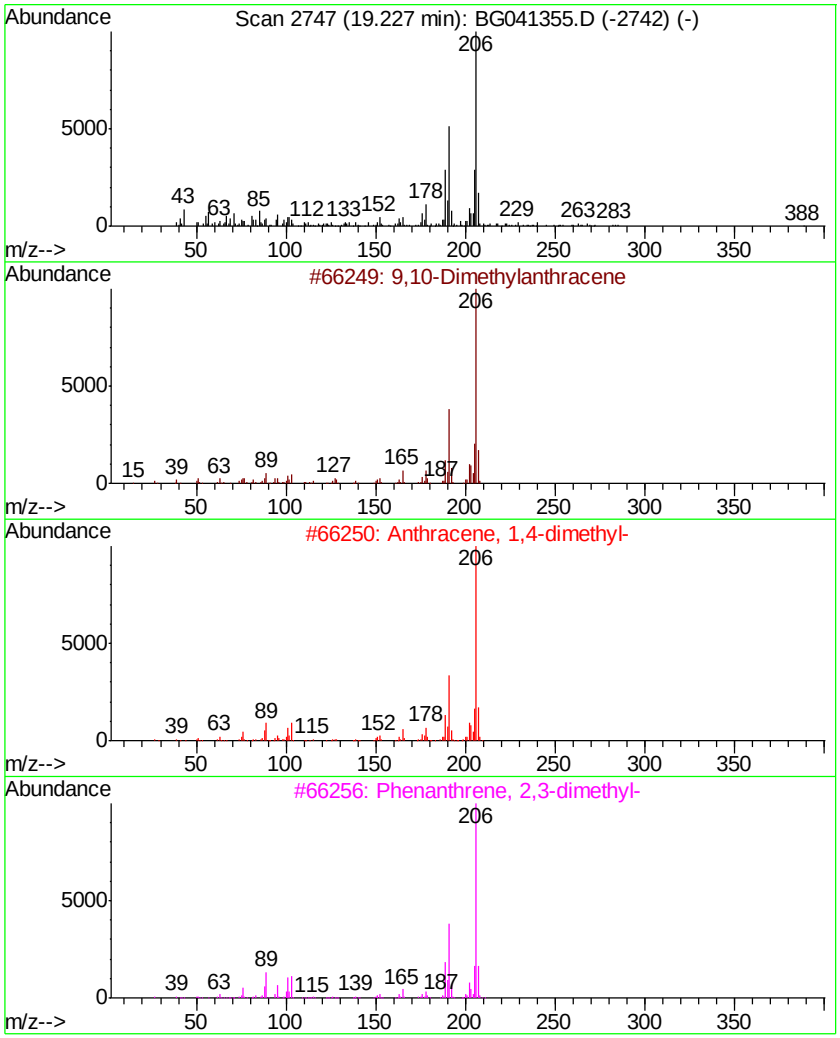
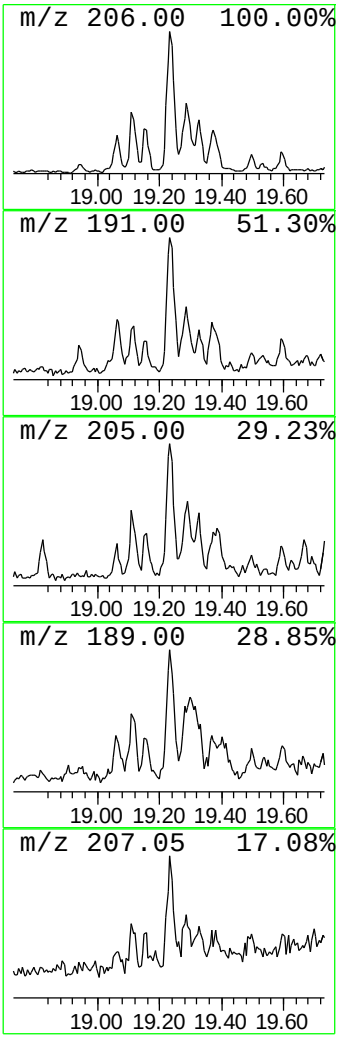
Peak Number 11 9,10-Dimethylanthracene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.23	9.76 ng	292636	Phenanthrene-d10	17.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	86
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-061719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

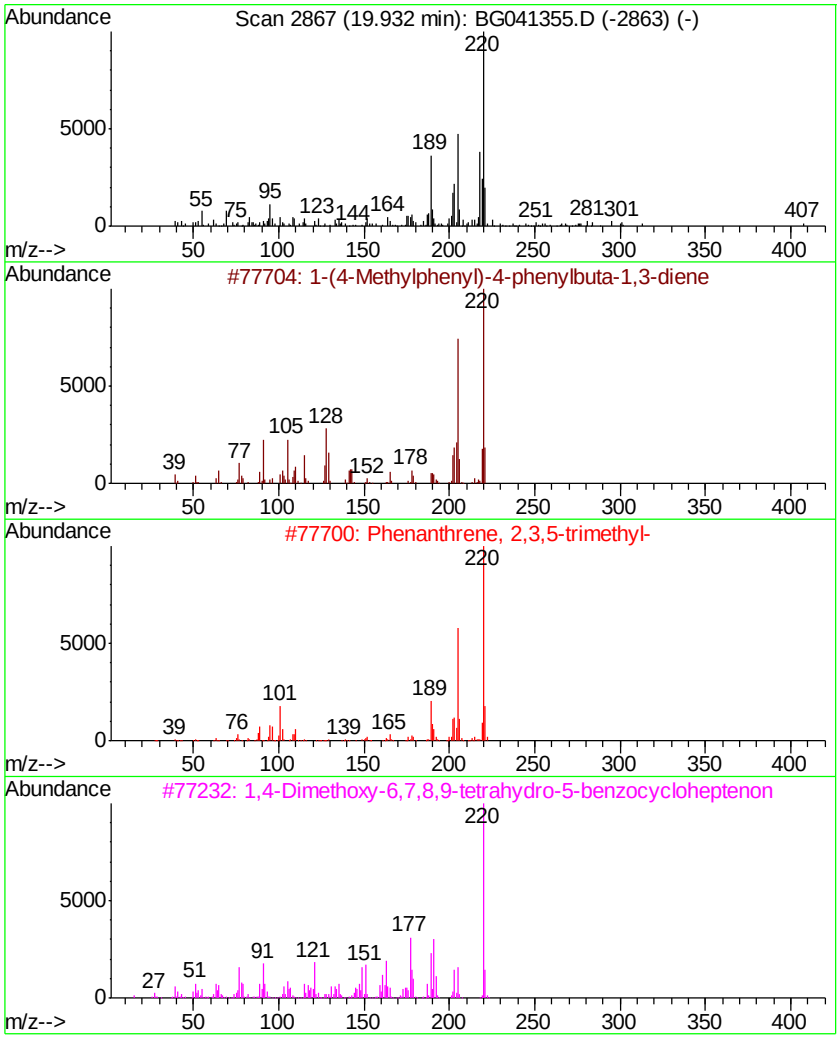
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

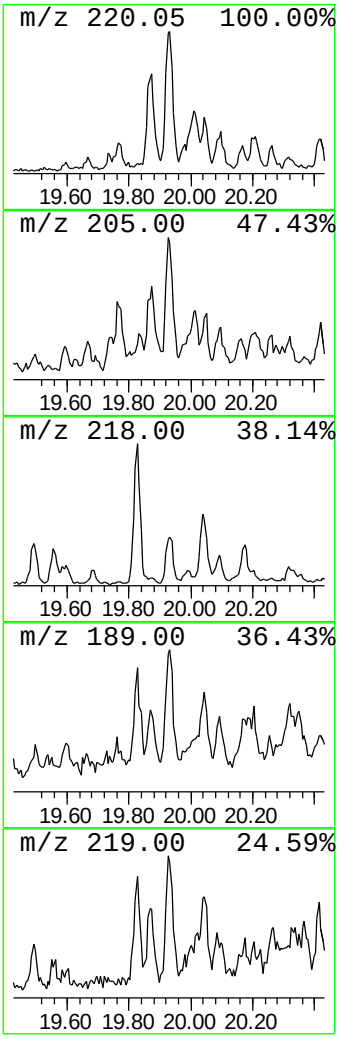
****

Peak Number 12 1-(4-Methylphenyl)-4-phenyl... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.93	2.35 ng	119192	Chrysene-d12	21.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(4-Methylphenyl)-4-phenylbuta-...	220	C17H16	037985-11-8	50
2	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	50
3	1,4-Dimethoxy-6,7,8,9-tetrahydro...	220	C13H16O3	079381-09-2	47
4	Phenmethylcynide, .alpha.,.alpha...	220	C11H12N2O3	1000128-94-6	46
5	Pyrrolo[1,2-a]thieno[2,3-d]pyrim...	220	C11H12N2OS	056929-61-4	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062019\
Data File : BG041355.D
Acq On : 20 Jun 2019 13:55
Operator : HP/JU
Sample : K3158-03 2X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : OK-01-061719

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.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...	3.15	10.9	ng	135088	1	8.08	247124	20.0
unknown7.60	7.60	53.7	ng	663869	1	8.08	247124	20.0
unknown15.78	15.78	3.3	ng	78456	3	14.71	472800	20.0
2-Isopropenyl-4a,...	16.86	9.3	ng	278206	4	17.46	599641	20.0
unknown17.29	17.29	11.4	ng	343352	4	17.46	599641	20.0
n-Hexadecanoic acid	18.31	8.5	ng	255914	4	17.46	599641	20.0
Phenanthrene, 1-m...	18.38	4.1	ng	122048	4	17.46	599641	20.0
5H-Dibenzo[a,d]cy...	18.52	5.9	ng	176336	4	17.46	599641	20.0
5,16[1',2']:8,13[...	18.82	2.1	ng	62100	4	17.46	599641	20.0
9,10-Dimethylanth...	19.23	9.8	ng	292636	4	17.46	599641	20.0
1-(4-Methylphenyl...	19.93	2.4	ng	119192	5	21.74	1014750	20.0