

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081420\
 Data File : BN011432.D
 Acq On : 14 Aug 2020 18:48
 Operator : CG/JU
 Sample : L3631-10DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleID :
 BFMM6DL

Manual Integrations
 APPROVED

mohammad
 8/18/2020 1:43:02 PM

Quant Time: Aug 17 01:34:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 14 15:37:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.44	152	192367	20.00	ng/ul	0.00
18) Naphthalene-d8	10.19	136	678485	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.07	164	451407	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.83	188	893334	20.00	ng/ul	0.00
78) Chrysene-d12	21.05	240	924071	20.00	ng/ul	0.00
86) Perylene-d12	23.16	264	940290	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.12	96	2024m	0.50	ng/uL	0.00
5) Phenol-d5	6.65	99	33992	2.50	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.80	67	19535	2.82	ng/ul	0.00
9) 2-Chlorophenol-d4	6.99	132	31909	2.62	ng/ul	0.00
13) 4-Methylphenol-d8	8.16	113	27882	2.52	ng/ul	0.00
19) Nitrobenzene-d5	8.58	128	16364	3.11	ng/ul	0.00
22) 2-Nitrophenol-d4	9.30	143	16187	2.74	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	9.83	165	33327	2.98	ng/ul	0.00
29) 4-Chloroaniline-d4	10.34	131	35880m	2.69	ng/ul	0.00
44) Dimethylphthalate-d6	13.50	166	124334	3.54	ng/ul	0.00
47) Acenaphthylene-d8	13.76	160	133728	3.16	ng/ul	0.00
52) 4-Nitrophenol-d4	14.32	143	10018m	1.68	ng/ul	0.02
58) Fluorene-d10	15.07	176	101879	3.31	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.22	200	9550	1.61	ng/ul	0.00
71) Anthracene-d10	16.92	188	158569	3.72	ng/ul	0.00
79) Pyrene-d10	19.23	212	177483	3.74	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.02	264	180022	3.45	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.23	128	46414	1.226	ng/ul	97
34) 2-Methylnaphthalene	11.86	142	38015	1.465	ng/ul	96
48) Acenaphthylene	13.79	152	107530	2.454	ng/ul	98
50) Acenaphthene	14.13	153	83134	2.711	ng/ul	97
54) Dibenzofuran	14.47	168	163915	3.685	ng/ul	97
59) Fluorene	15.13	166	205294	5.727	ng/ul	98
70) Phenanthrene	16.87	178	2572891	48.557	ng/ul	99
72) Anthracene	16.96	178	454411	8.467	ng/ul	99
75) Carbazole	17.23	167	161161	3.571	ng/ul	99
77) Fluoranthene	18.90	202	2727309	42.064	ng/ul	99
80) Pyrene	19.26	202	2136722	32.859	ng/ul	99
83) Benzo(a)anthracene	21.03	228	1132692	18.425	ng/ul	95
85) Chrysene	21.08	228	1044087	17.098	ng/ul	96
88) Benzo(b)fluoranthene	22.54	252	1237087	18.819	ng/ul	99
89) Benzo(k)fluoranthene	22.58	252	436750m	6.690	ng/ul	
91) Benzo(a)pyrene	23.06	252	820683	13.550	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.20	276	537572	6.925	ng/ul	96
93) Dibenzo(a,h)anthracene	25.21	278	160862	2.475	ng/ul#	86
94) Benzo(g,h,i)perylene	25.83	276	460492	7.155	ng/ul	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

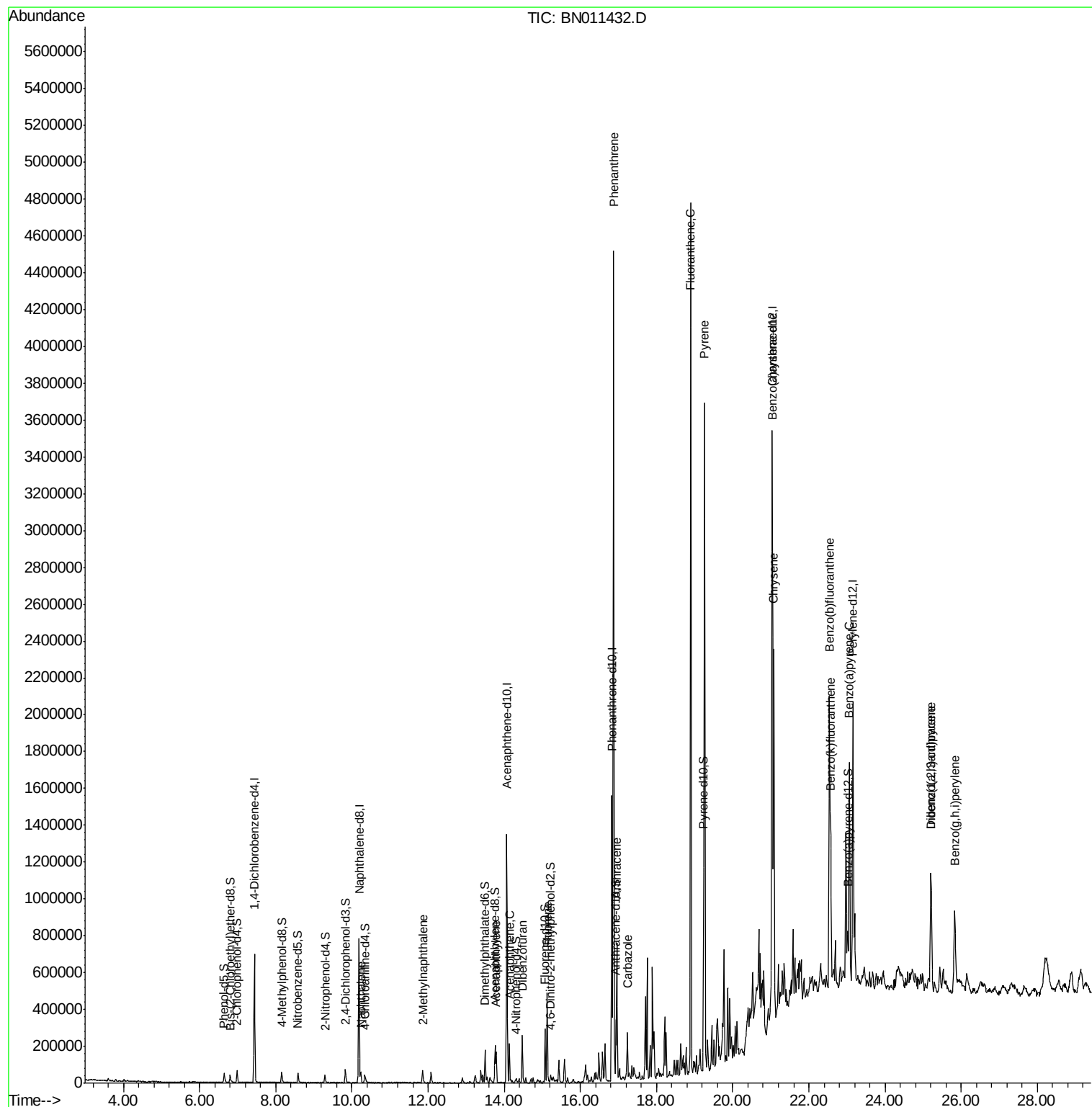
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081420\
Data File : BN011432.D
Acq On : 14 Aug 2020 18:48
Operator : CG/JU
Sample : L3631-10DL 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

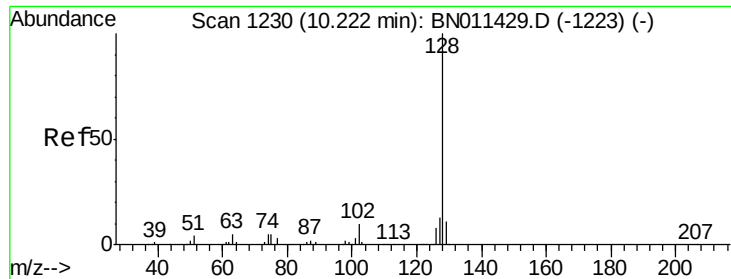
Instrument :
BNA_N
ClientSampleId :
BFMM6DL

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Quant Time: Aug 17 01:34:58 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081420MA.M
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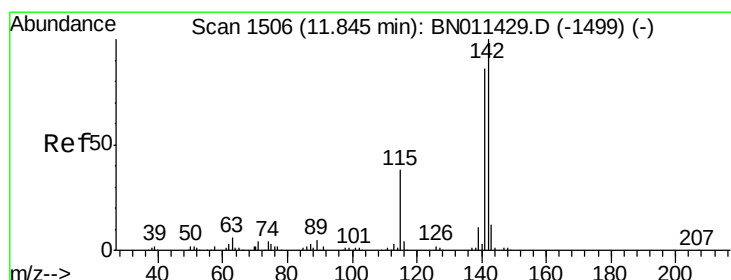
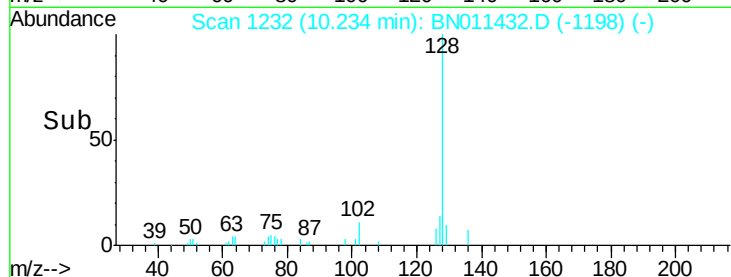
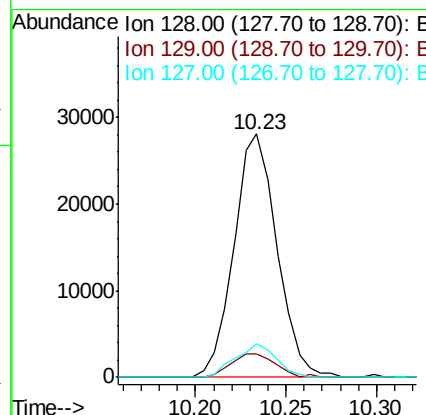
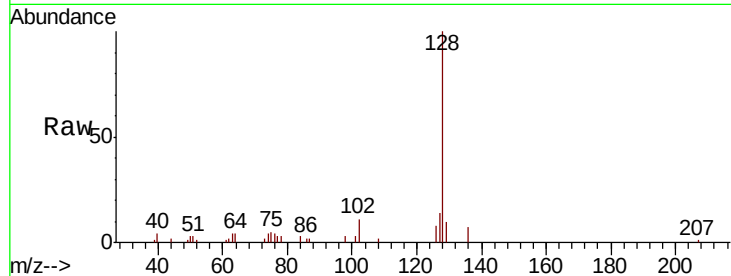
#28
Naphthalene
Concen: 1.226 ng/ul
RT: 10.23 min Scan# 1232
Delta R.T. 0.00 min
Lab File: BN011432.D
Acq: 14 Aug 2020 18:48

Instrument :
BNA_N
ClientSampleId :
BFMM6DL

Tot Ion	Ratio	Lower	Upper
128	100		
129	9.6	8.9	13.3
127	13.9	10.2	15.2

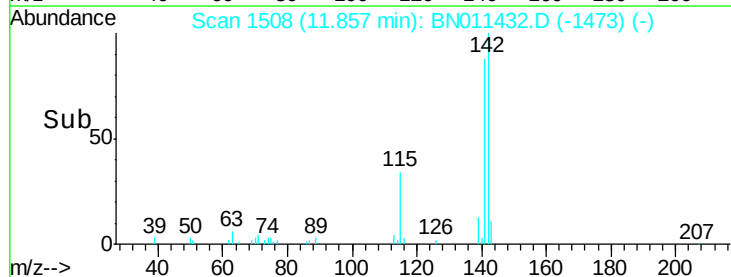
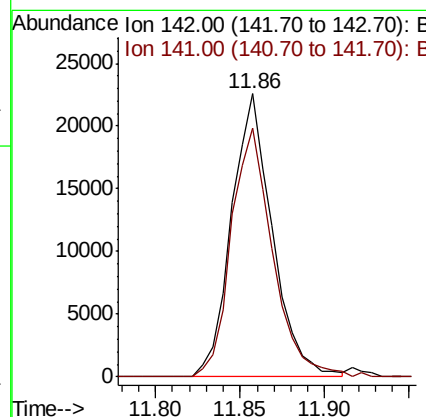
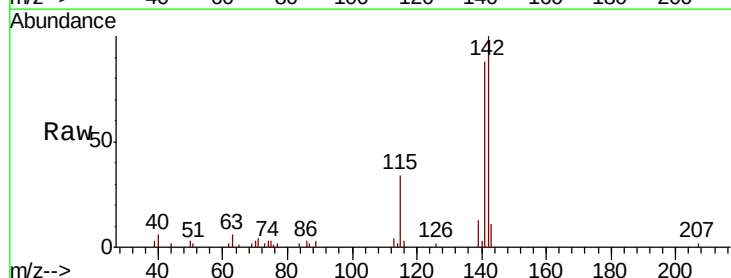
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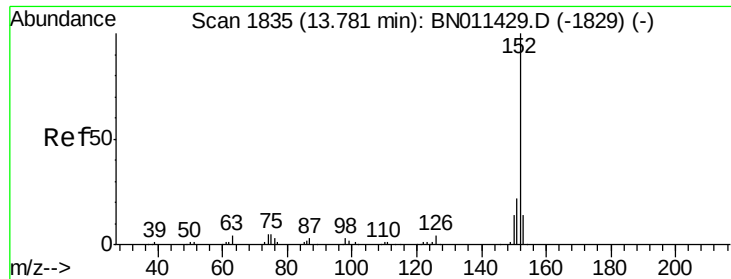
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#34
2-Methylnaphthalene
Concen: 1.465 ng/ul
RT: 11.86 min Scan# 1508
Delta R.T. 0.01 min
Lab File: BN011432.D
Acq: 14 Aug 2020 18:48

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.0	73.2	109.8





#48

Acenaphthylene

Concen: 2.454 ng/ul

RT: 13.79 min Scan# 1836

Delta R.T. 0.00 min

Lab File: BN011432.D

Acq: 14 Aug 2020 18:48

Instrument :

BNA_N

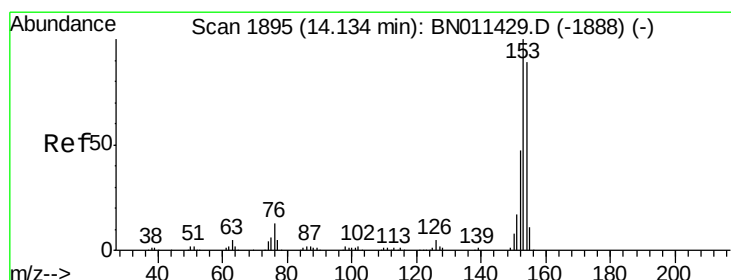
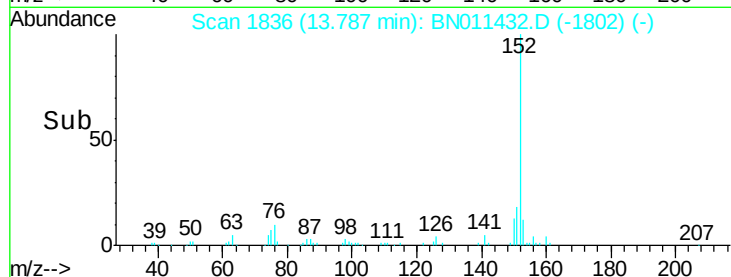
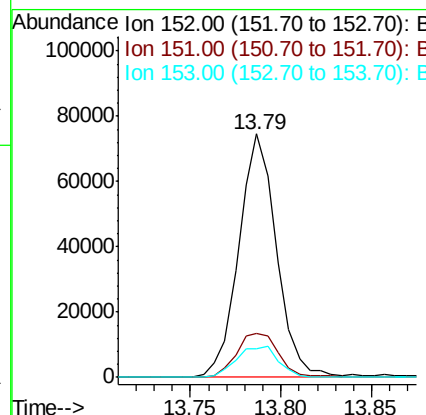
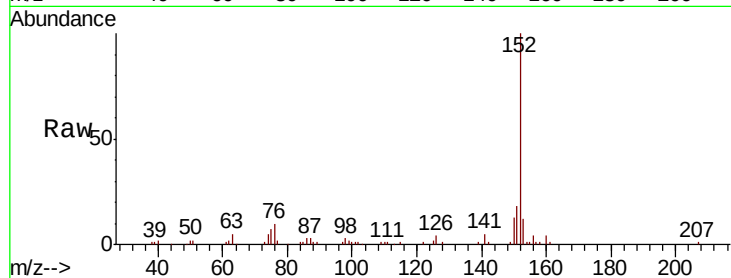
ClientSampled :

BFMM6DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.3	15.4	23.2
153	11.7	9.9	14.9

Manual Integrations
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#50

Acenaphthene

Concen: 2.711 ng/ul

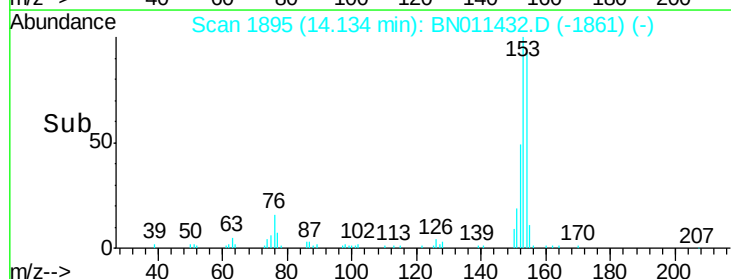
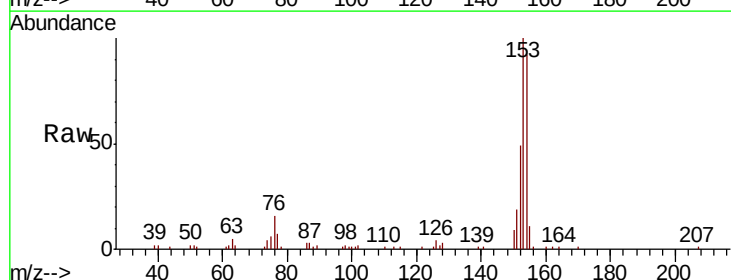
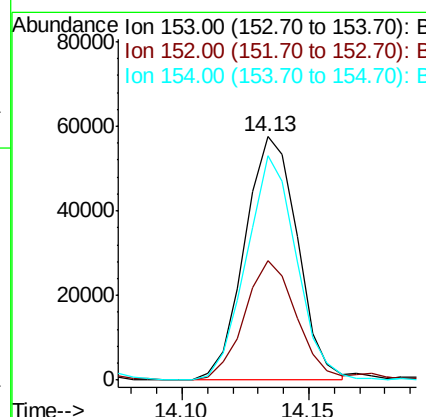
RT: 14.13 min Scan# 1895

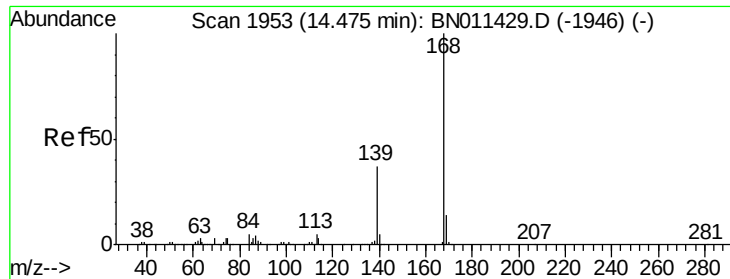
Delta R.T. 0.00 min

Lab File: BN011432.D

Acq: 14 Aug 2020 18:48

Tgt Ion	Ratio	Lower	Upper
153	100		
152	48.9	37.6	56.4
154	92.3	72.0	108.0





#54

Dibenzenofuran

Concen: 3.685 ng/ul

RT: 14.47 min Scan# 1953

Delta R.T. 0.00 min

Lab File: BN011432.D

Acq: 14 Aug 2020 18:48

Instrument :

BNA_N

ClientSampleId :

BFMM6DL

Tot Ion:168 Resp: 163915

Ion Ratio Lower Upper

168 100

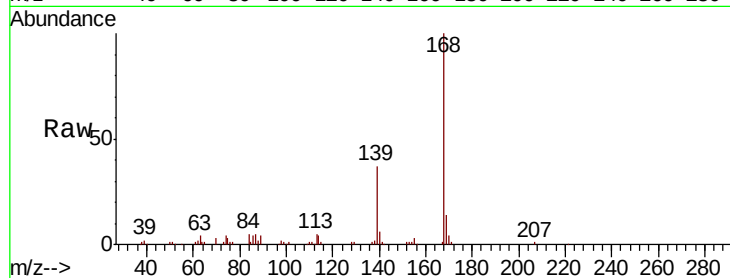
139 37.4 31.1 46.7

Manual Integrations

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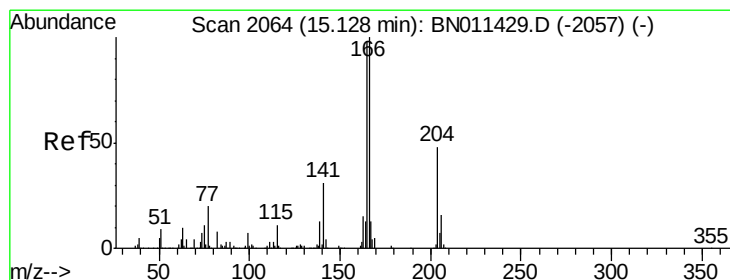
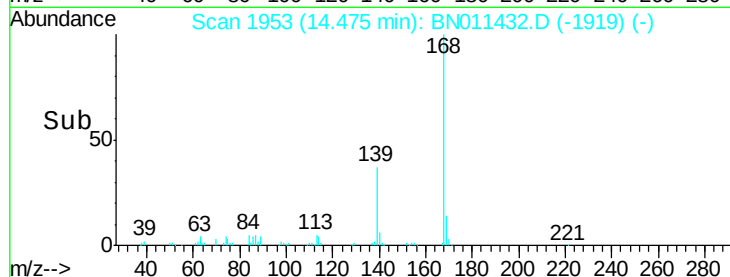
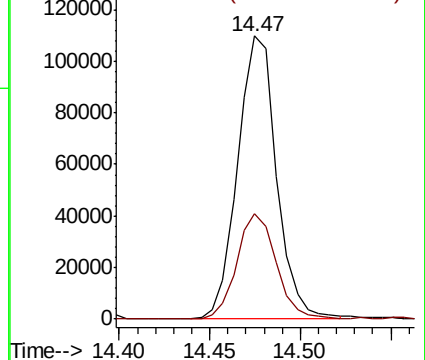
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Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 5.727 ng/ul

RT: 15.13 min Scan# 2064

Delta R.T. 0.00 min

Lab File: BN011432.D

Acq: 14 Aug 2020 18:48

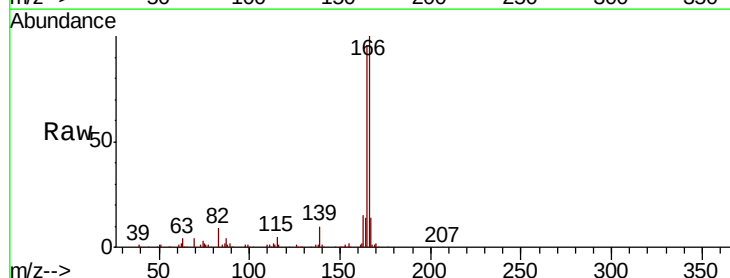
Tgt Ion:166 Resp: 205294

Ion Ratio Lower Upper

166 100

165 96.0 78.0 117.0

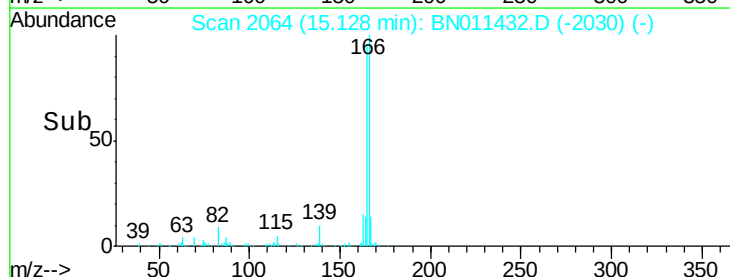
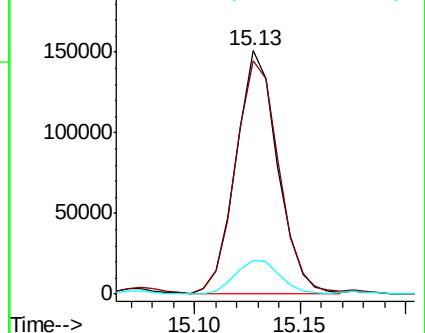
167 14.0 11.9 17.9

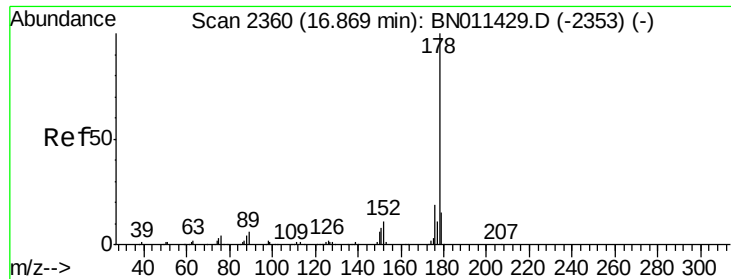


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





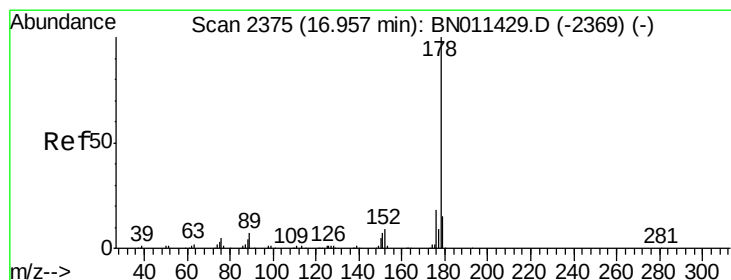
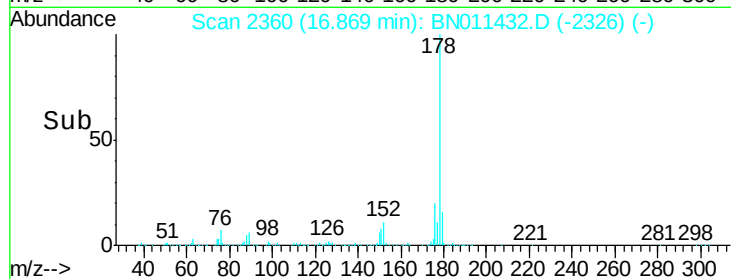
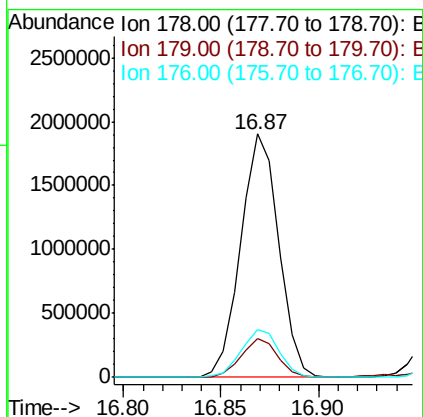
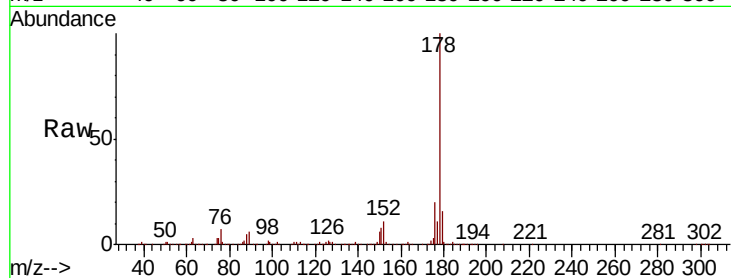
#70
Phenanthrene
Concen: 48.557 ng/ul
RT: 16.87 min Scan# 2360
Delta R.T. 0.00 min
Lab File: BN011432.D
Acq: 14 Aug 2020 18:48

Instrument :
BNA_N
ClientSampleID :
BFMM6DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	15.7	13.1	19.7
176	19.7	15.7	23.5

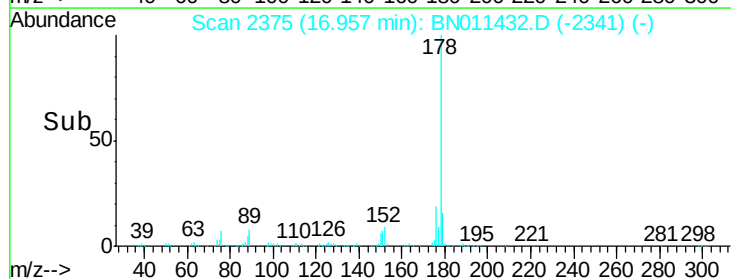
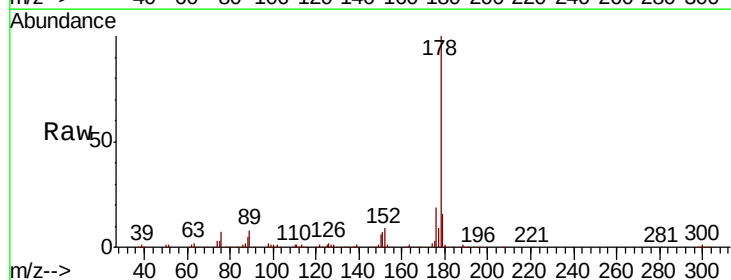
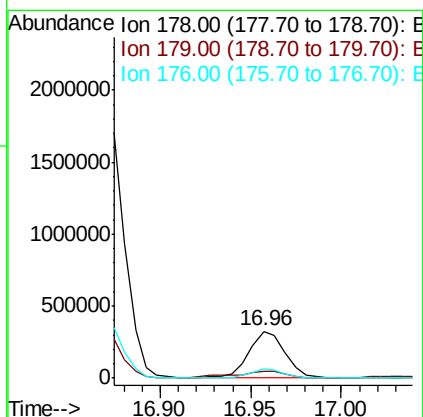
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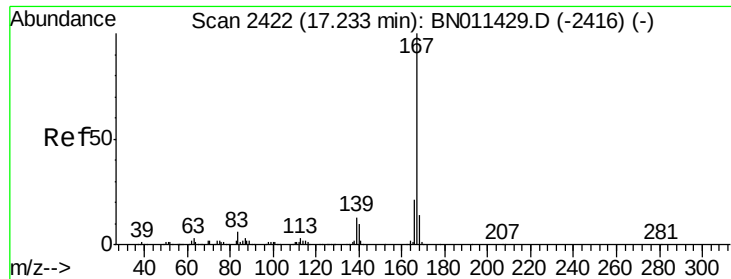
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#72
Anthracene
Concen: 8.467 ng/ul
RT: 16.96 min Scan# 2375
Delta R.T. 0.00 min
Lab File: BN011432.D
Acq: 14 Aug 2020 18:48

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.0	13.0	19.4
176	19.1	14.6	21.8





#75

Carbazole

Concen: 3.571 ng/ul

RT: 17.23 min Scan# 2422

Delta R.T. -0.01 min

Lab File: BN011432.D

Acq: 14 Aug 2020 18:48

Instrument :

BNA_N

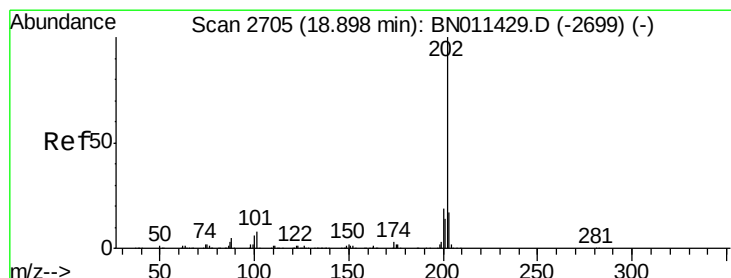
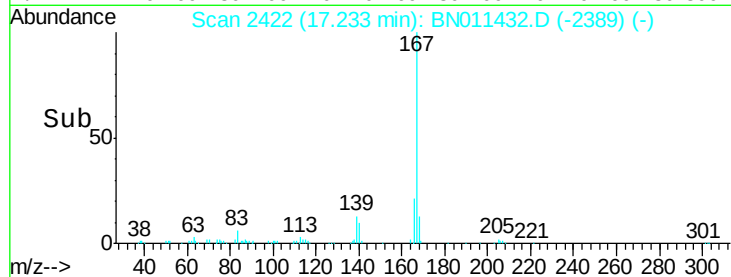
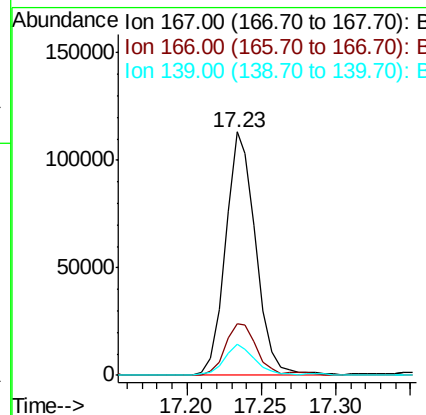
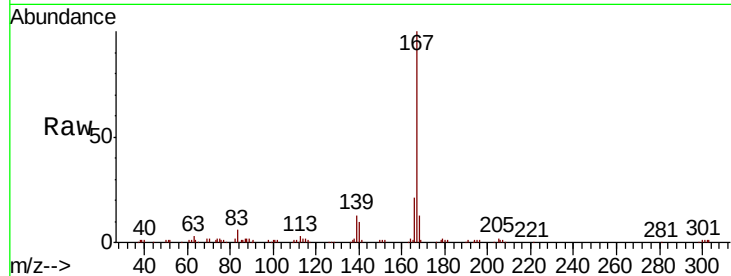
ClientSampleId :

BFMM6DL

Tot Ion:	167	Resp:	161161
Ion Ratio	Lower	Upper	
167	100		
166	21.0	17.2	25.8
139	13.0	10.2	15.2

Manual Integrations
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#77

Fluoranthene

Concen: 42.064 ng/ul

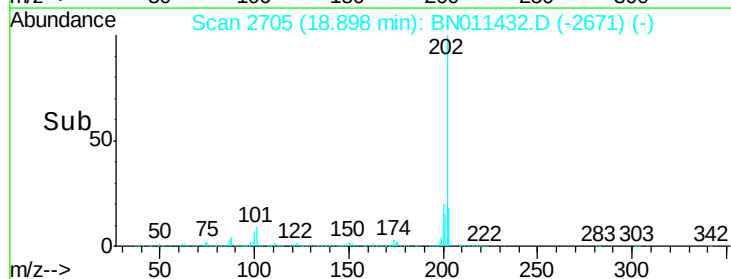
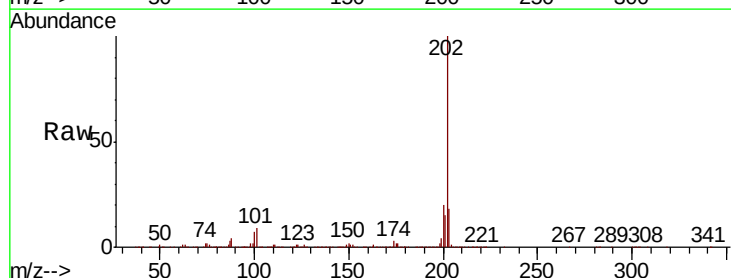
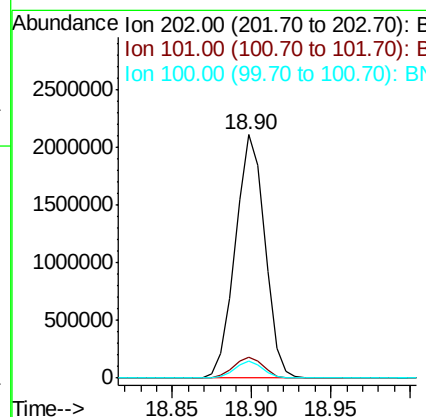
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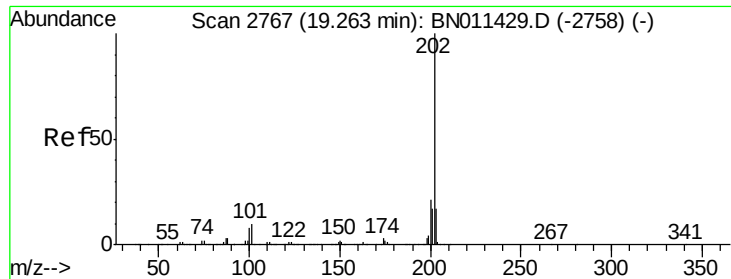
Delta R.T. 0.00 min

Lab File: BN011432.D

Acq: 14 Aug 2020 18:48

Tgt Ion:	202	Resp:	2727309
Ion Ratio	Lower	Upper	
202	100		
101	8.7	7.3	10.9
100	6.9	5.2	7.8





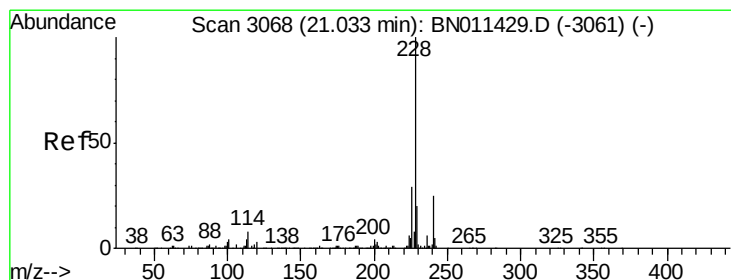
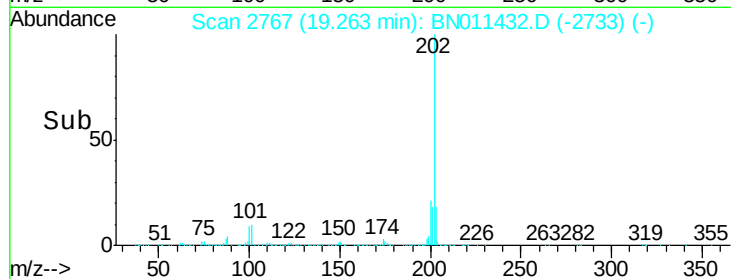
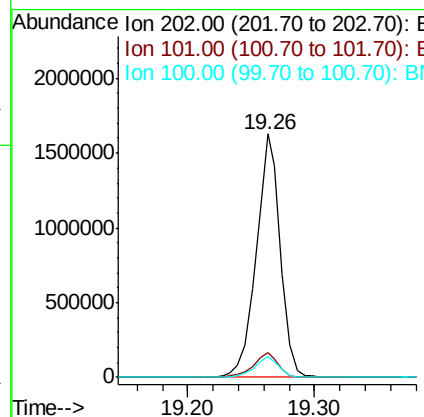
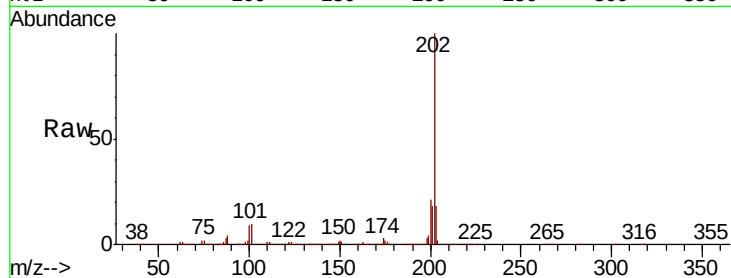
#80
Pvrene
Concen: 32.859 ng/ul
RT: 19.26 min Scan# 2767
Delta R.T. 0.00 min
Lab File: BN011432.D
Acq: 14 Aug 2020 18:48

Instrument :
BNA_N
ClientSampleId :
BFMM6DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.0	7.8	11.8
100	8.5	6.5	9.7

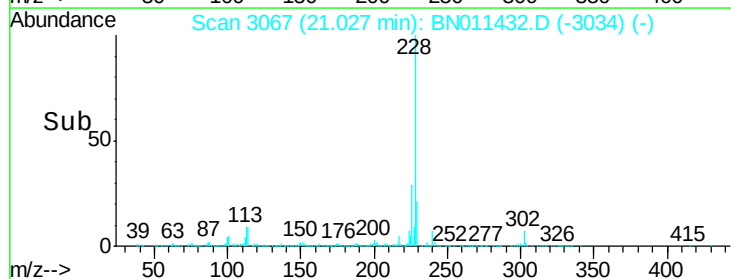
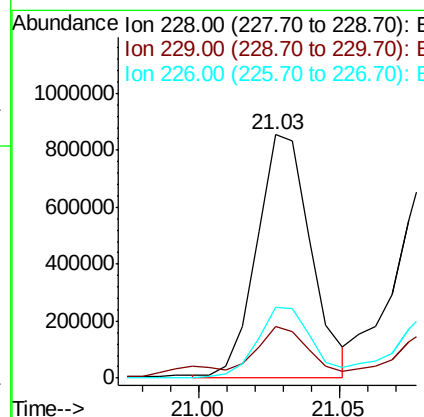
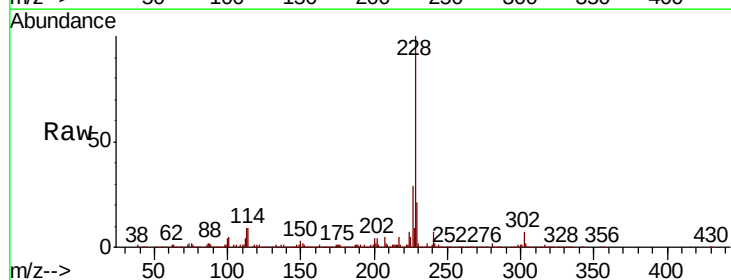
Manual Integrations
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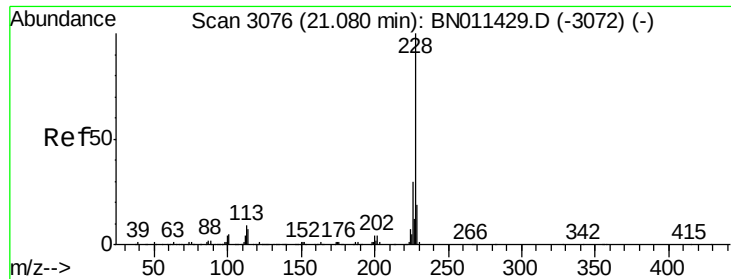
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#83
Benzo(a)anthracene
Concen: 18.425 ng/ul
RT: 21.03 min Scan# 3067
Delta R.T. -0.01 min
Lab File: BN011432.D
Acq: 14 Aug 2020 18:48

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.4	15.0	22.4
226	29.0	21.5	32.3





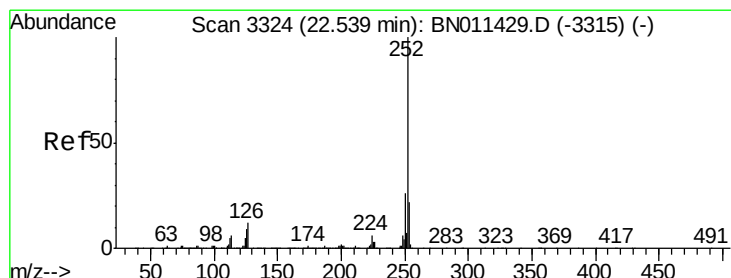
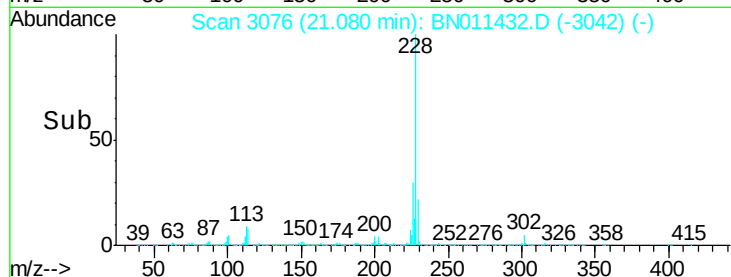
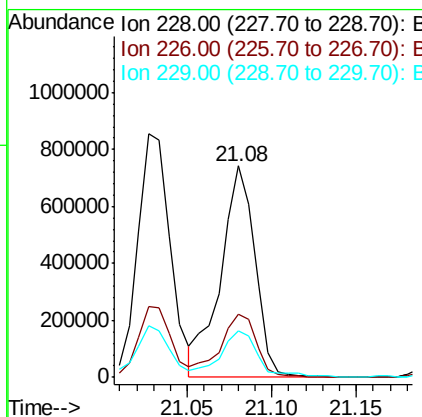
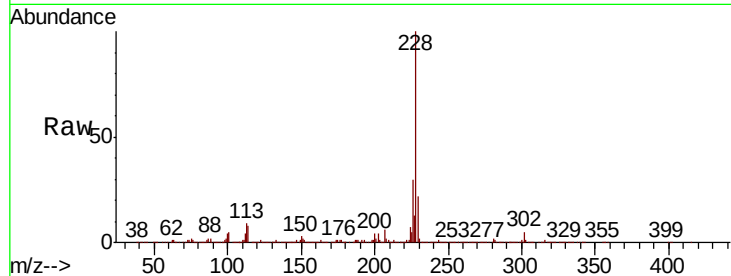
#85
Chrysene
Concen: 17.098 ng/ul
RT: 21.08 min Scan# 3076
Delta R.T. 0.00 min
Lab File: BN011432.D
Acq: 14 Aug 2020 18:48

Instrument :
BNA_N
ClientSampleId :
BFMM6DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.5	35.3
229	22.3	15.0	22.6

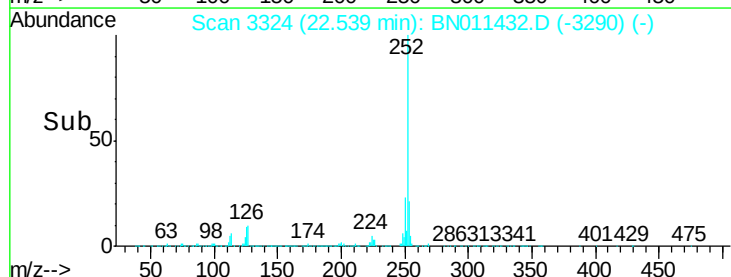
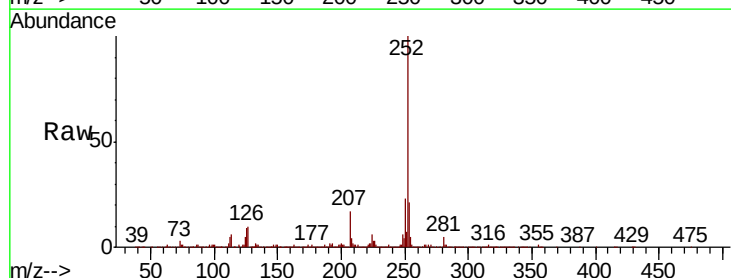
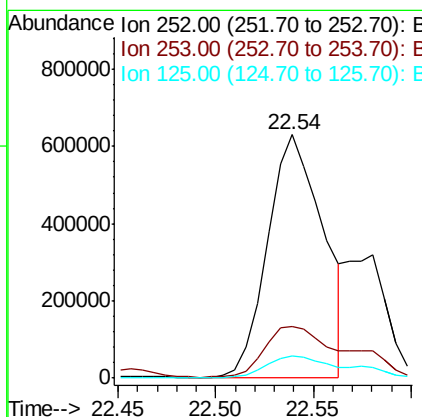
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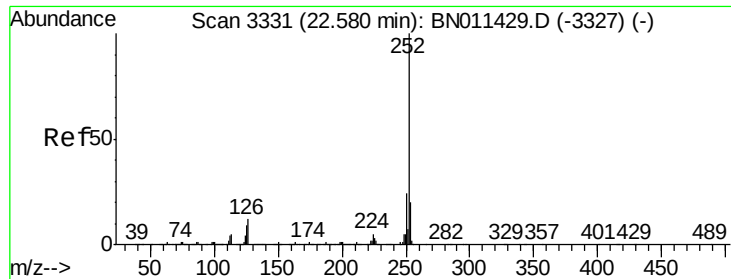
mohammad
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#88
Benzo(b)fluoranthene
Concen: 18.819 ng/ul
RT: 22.54 min Scan# 3324
Delta R.T. 0.00 min
Lab File: BN011432.D
Acq: 14 Aug 2020 18:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.2	25.8
125	9.0	6.6	9.8





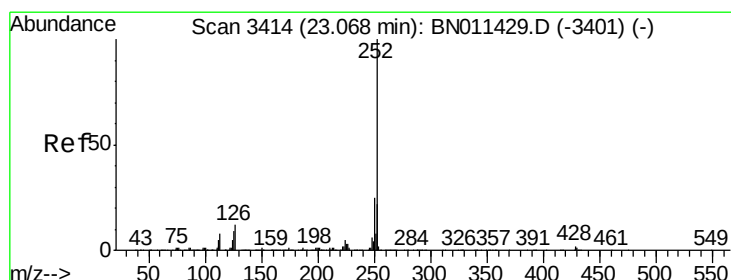
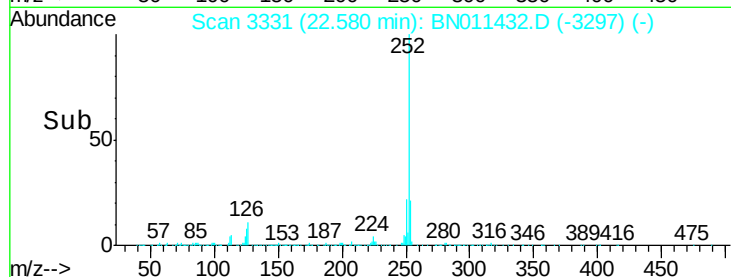
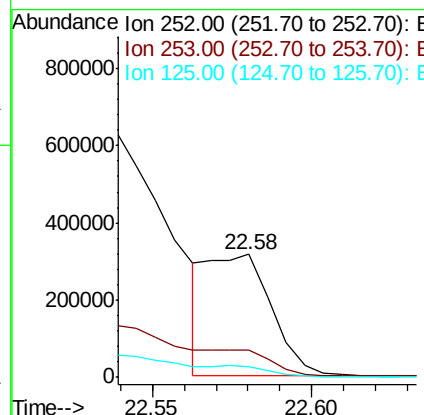
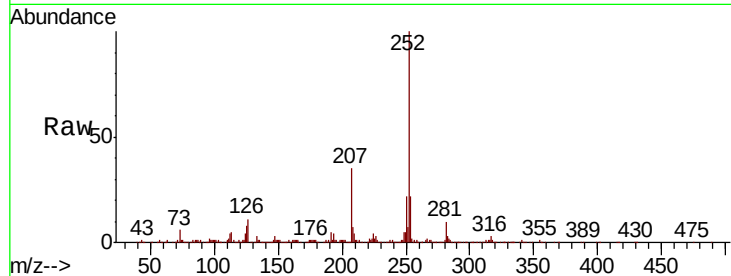
#89
Benzo(k)fluoranthene
Concen: 6.690 ng/ul m
RT: 22.58 min Scan# 3331
Delta R.T. 0.00 min
Lab File: BN011432.D
Acq: 14 Aug 2020 18:48

Instrument :
BNA_N
ClientSampleId :
BFMM6DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	15.8	23.6
125	8.4	6.0	9.0

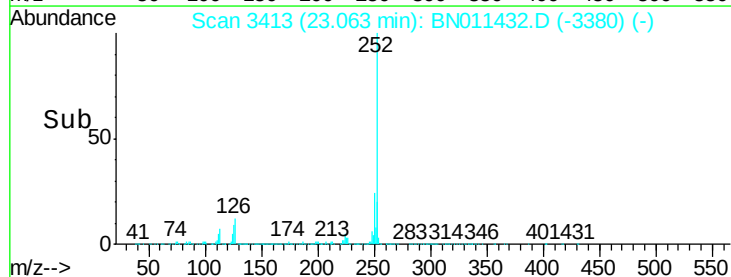
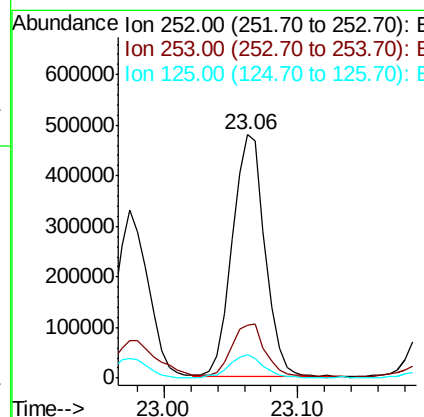
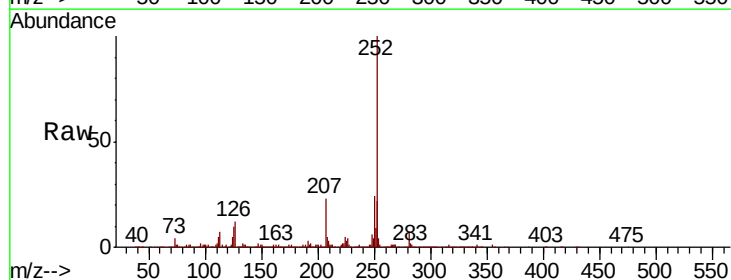
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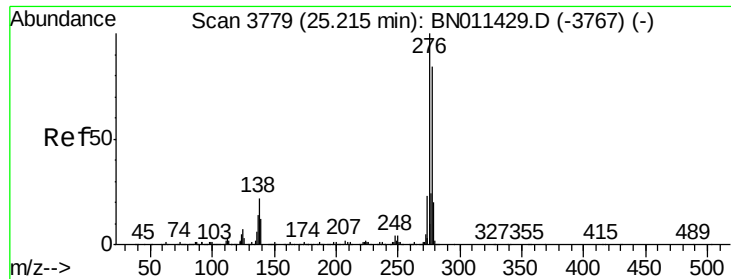
mohammad
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#91
Benzo(a)pyrene
Concen: 13.550 ng/ul
RT: 23.06 min Scan# 3413
Delta R.T. -0.01 min
Lab File: BN011432.D
Acq: 14 Aug 2020 18:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	16.6	25.0
125	9.7	7.1	10.7





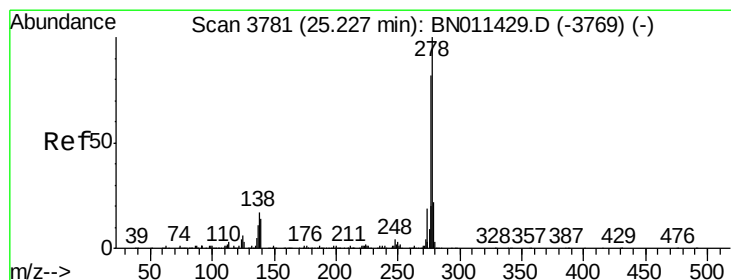
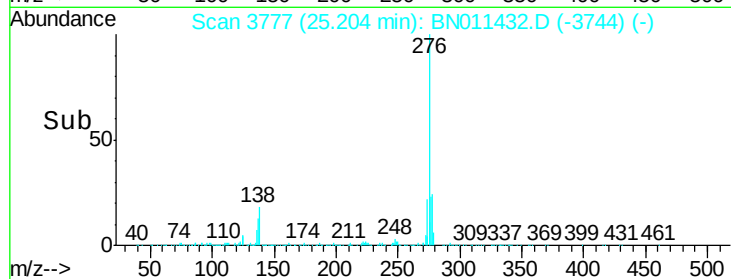
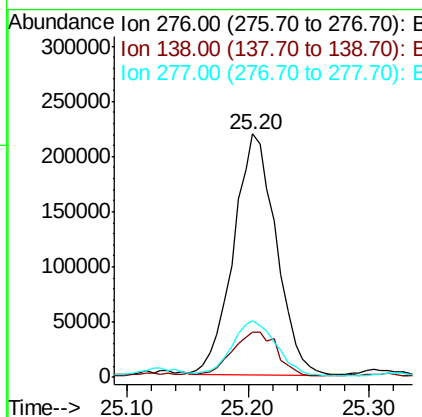
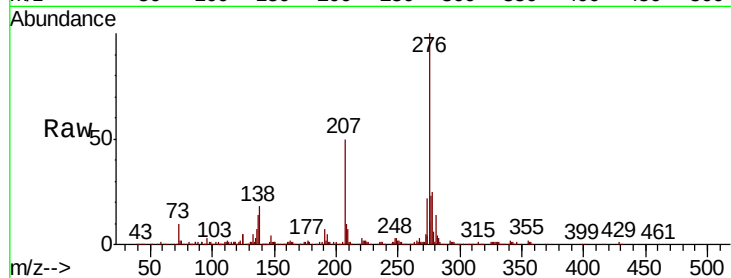
#92
 Indeno(1,2,3-cd)pyrene
 Concen: 6.925 ng/ul
 RT: 25.20 min Scan# 3777
 Delta R.T. -0.01 min
 Lab File: BN011432.D
 Acq: 14 Aug 2020 18:48

Instrument :
 BNA_N
 ClientSampled :
 BFMM6DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	18.4	17.0	25.4
277	23.2	18.1	27.1

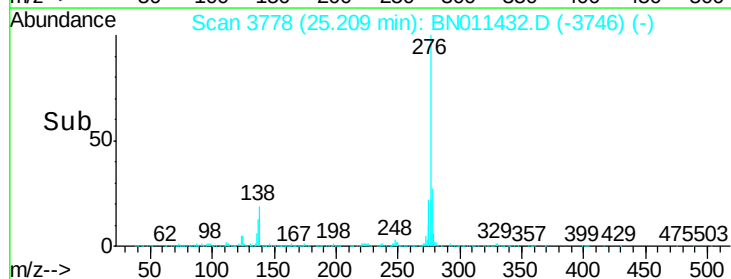
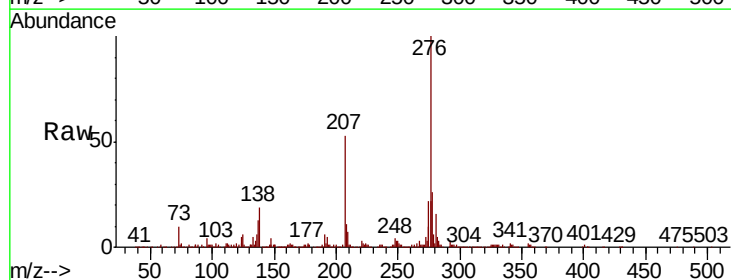
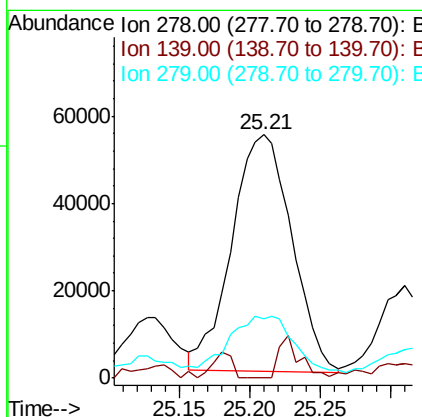
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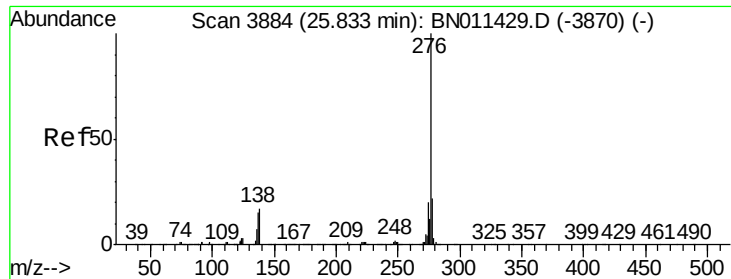
mohammad
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#93
 Dibenzo(a,h)anthracene
 Concen: 2.475 ng/ul
 RT: 25.21 min Scan# 3778
 Delta R.T. -0.01 min
 Lab File: BN011432.D
 Acq: 14 Aug 2020 18:48

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	11.7	17.5#
279	24.6	19.3	28.9





#94

Benzo(a,h,i)perylene

Concen: 7.155 ng/ul

RT: 25.83 min Scan# 3883

Delta R.T. 0.00 min

Lab File: BN011432.D

Acq: 14 Aug 2020 18:48

Instrument :

BNA_N

ClientSampleId :

BFMM6DL

Tot Ion:	276	Resp:	460492
Ion Ratio	Lower	Upper	
276	100		
138	19.4	15.3	22.9
277	23.6	16.2	24.4

Manual Integrations
APPROVED

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