

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081019\
 Data File : BN007066.D
 Acq On : 11 Aug 2019 01:59
 Operator : HP/JU
 Sample : K4239-05
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-013-SW101-080519

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:56:38 AM

Quant Time: Aug 12 05:13:35 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN081019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Sat Aug 10 21:44:50 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	8082	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	30386	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	17109	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	42288	0.40	ng	0.00
26) Chrysene-d12	21.05	240	44073	0.40	ng	-0.01
32) Perylene-d12	23.15	264	47000	0.40	ng	-0.02

System Monitoring Compounds

3) 2-Fluorophenol	5.06	112	5343	0.28	ng	0.00
4) Phenol-d6	6.61	99	7157	0.30	ng	0.00
7) Nitrobenzene-d5	8.56	82	5584	0.23	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	12703	0.22	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	1181	0.13	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	5299	0.21	ng	0.00
24) Fluoranthene-d10	18.87	212	29532	0.20	ng	0.00
28) Terphenyl-d14	19.49	244	22798	0.19	ng	0.00

Target Compounds

						Qvalue
8) Naphthalene	10.24	128	4789	0.056	ng	96
11) 2-Methylnaphthalene	11.87	142	2744	0.045	ng	# 92
15) Acenaphthylene	13.79	152	4951	0.055	ng	97
16) Acenaphthene	14.14	154	5001	0.087	ng	98
17) Fluorene	15.14	166	6162	0.072	ng	96
22) Phenanthrene	16.87	178	136706	1.079	ng	100
23) Anthracene	16.96	178	23195	0.200	ng	# 93
25) Fluoranthene	18.90	202	178106	1.099	ng	100
27) Pyrene	19.26	202	181771	1.176	ng	96
29) Benzo(a)anthracene	21.02	228	87563	0.543	ng	97
30) Chrysene	21.08	228	86649	0.553	ng	97
31) Indeno(1,2,3-cd)pyrene	25.23	276	47668	0.276	ng	97
33) Benzo(b)fluoranthene	22.54	252	102766	0.638	ng	99
34) Benzo(k)fluoranthene	22.57	252	30858m	0.194	ng	
35) Benzo(a)pyrene	23.06	252	75984	0.520	ng	99
36) Dibenzo(a,h)anthracene	25.24	278	12341	0.085	ng	# 86
37) Benzo(g,h,i)perylene	25.85	276	53193	0.355	ng	99

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

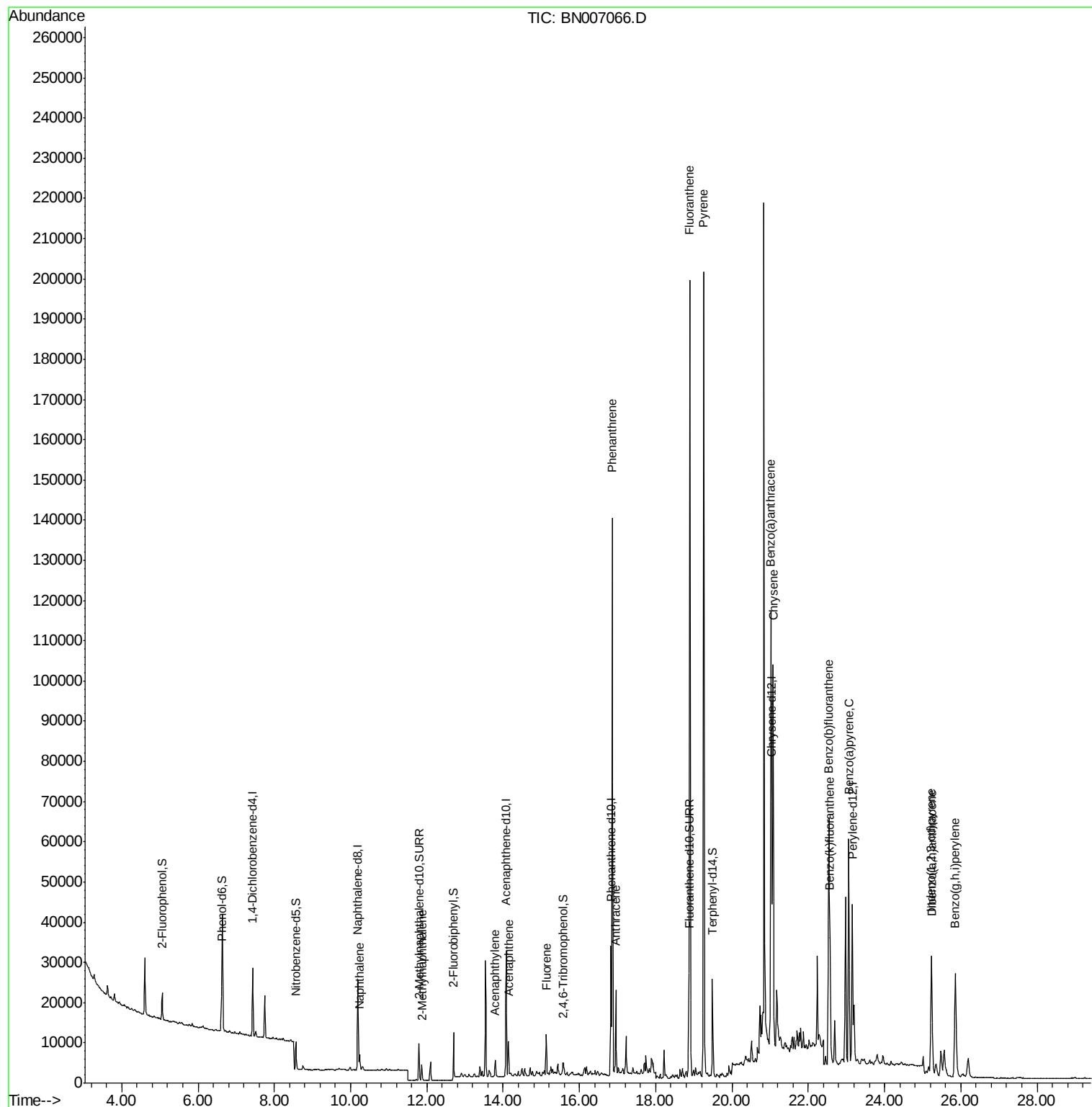
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081019\
Data File : BN007066.D
Acq On : 11 Aug 2019 01:59
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#1

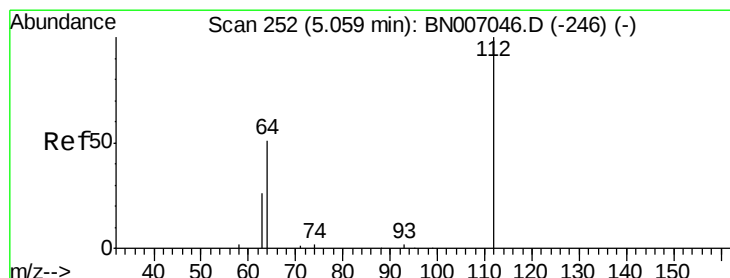
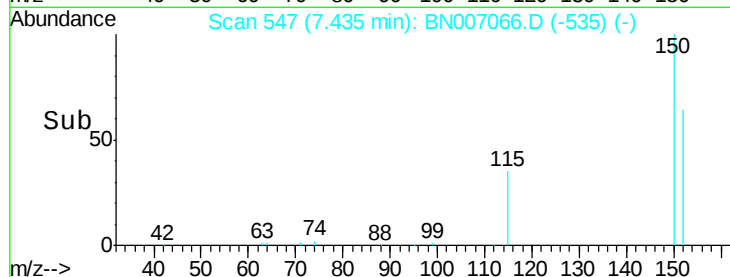
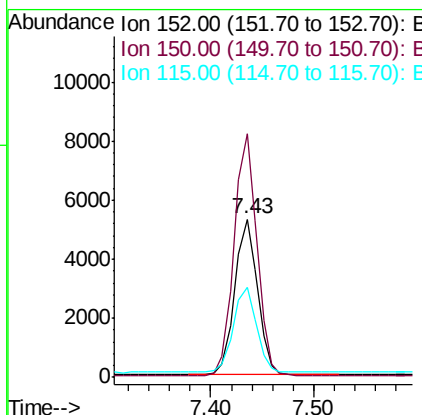
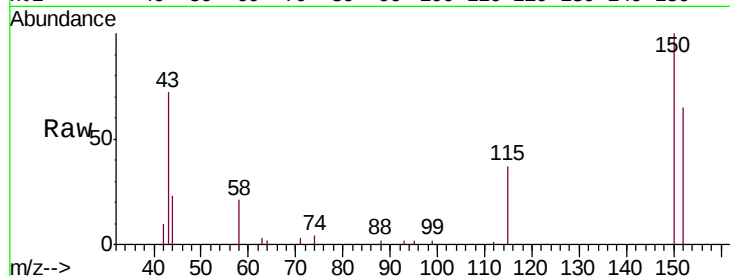
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

Instrument :
BNA_N
ClientSampleId :
PST-013-SW101-080519

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.0	121.7	182.5
115	57.1	46.2	69.4

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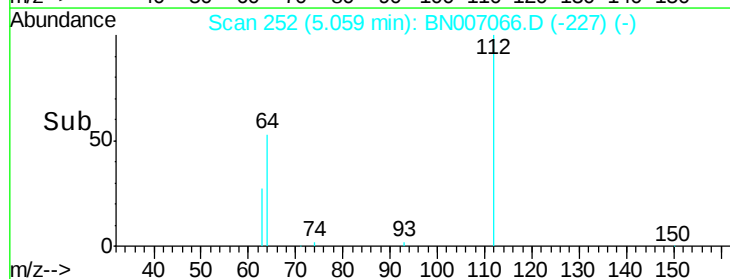
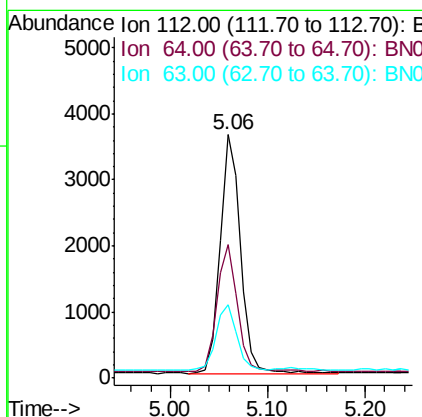
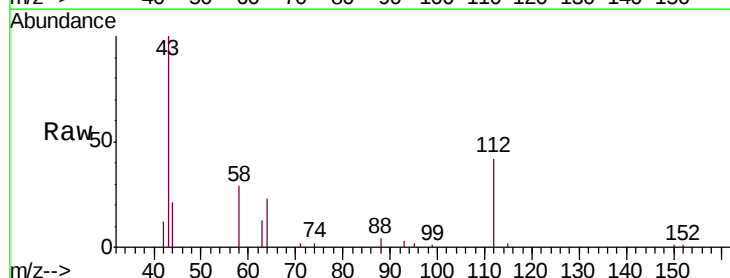
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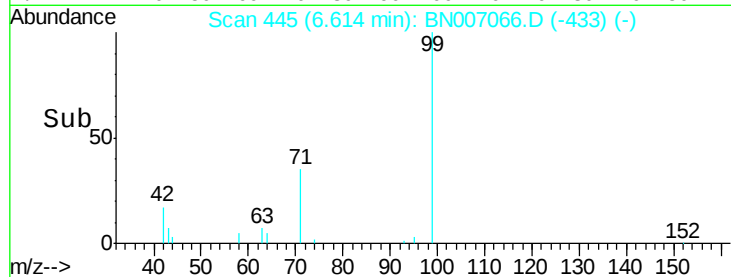
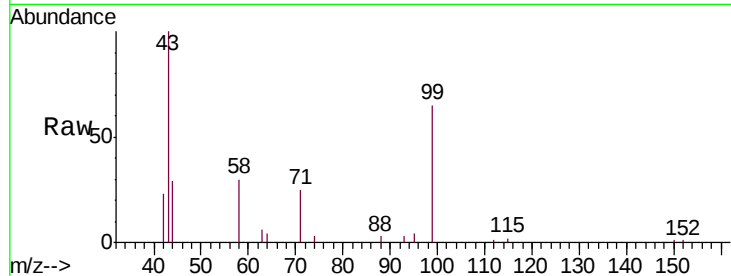
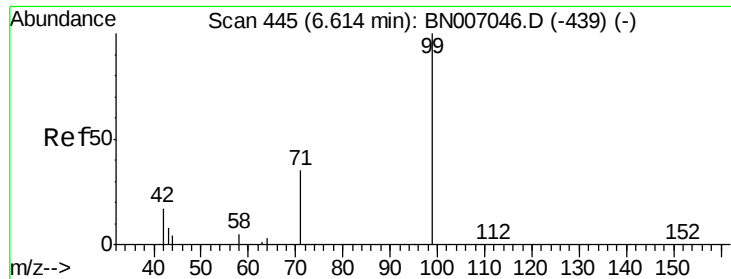


#3

2-Fluorophenol
Concen: 0.275 ng
RT: 5.06 min Scan# 252
Delta R.T. -0.00 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.0	42.6	63.8
63	28.1	22.2	33.2





#4

Phenol-d6

Concen: 0.298 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007066.D

Acq: 11 Aug 2019 01:59

Tgt Ion:	99	Resp:	7157
Ion Ratio	Lower	Upper	
99	100		
42	0.0	15.8	23.6#
71	35.3	27.0	40.4

Instrument :

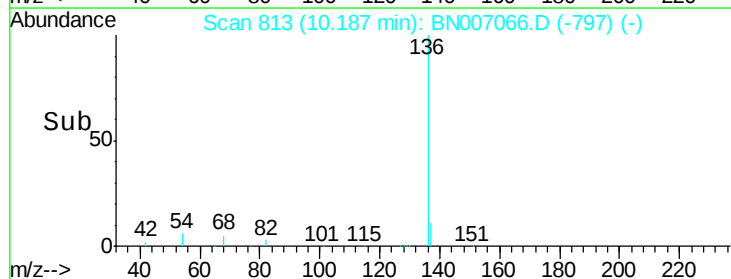
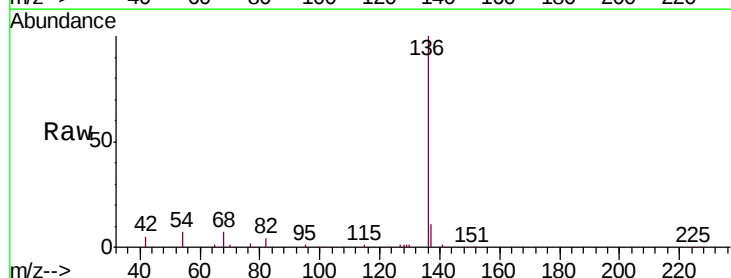
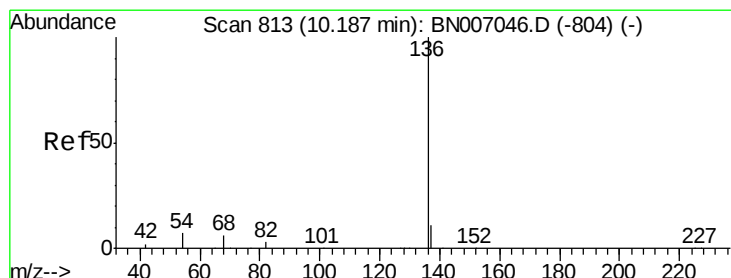
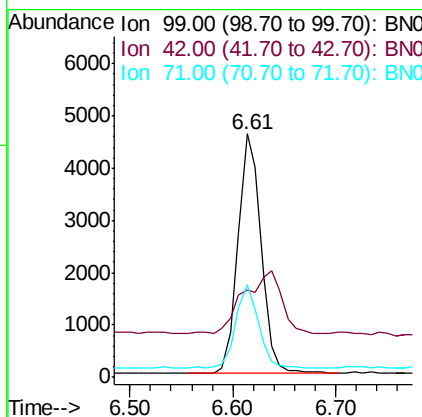
BNA_N

ClientSampleId :

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#6

Naphthalene-d8

Concen: 0.400 ng

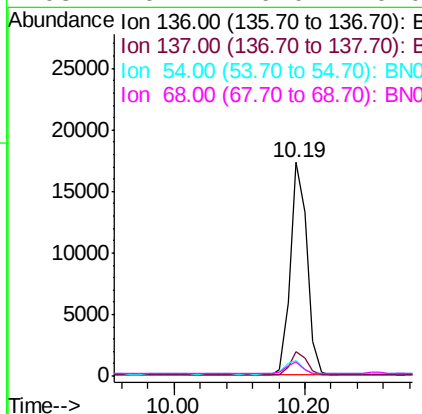
RT: 10.19 min Scan# 813

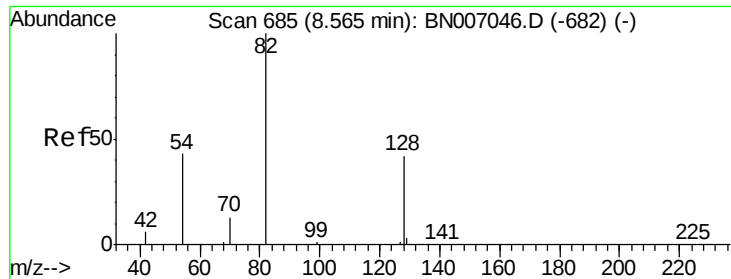
Delta R.T. -0.00 min

Lab File: BN007066.D

Acq: 11 Aug 2019 01:59

Tgt Ion:	136	Resp:	30386
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.4	14.0
54	7.4	6.6	9.8
68	6.7	6.0	9.0





#7

Nitrobenzene-d5

Concen: 0.228 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007066.D

Acq: 11 Aug 2019 01:59

Instrument :

BNA_N

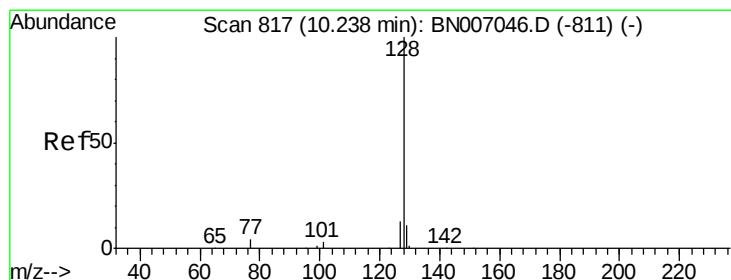
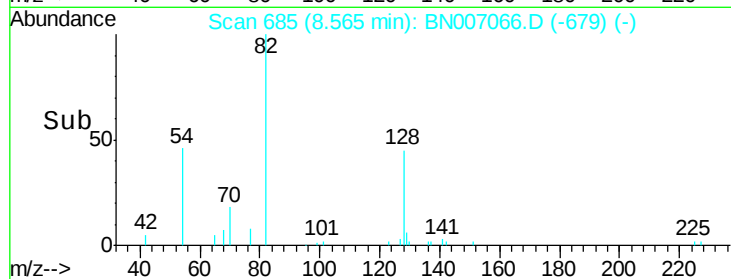
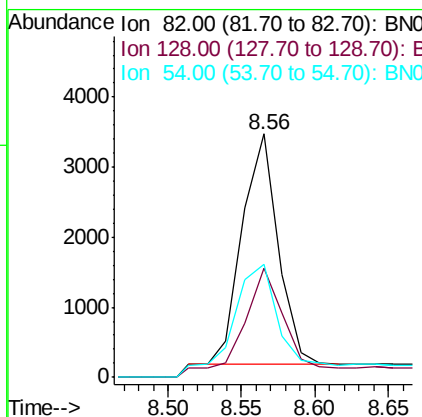
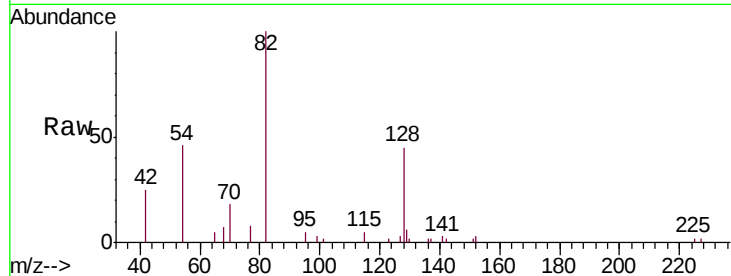
ClientSampleId :

PST-013-SW101-080519

Tgt Ion:	82	Resp:	5584
Ion	Ratio	Lower	Upper
82	100		
128	44.7	34.6	51.8
54	46.5	36.2	54.4

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#8

Naphthalene

Concen: 0.056 ng

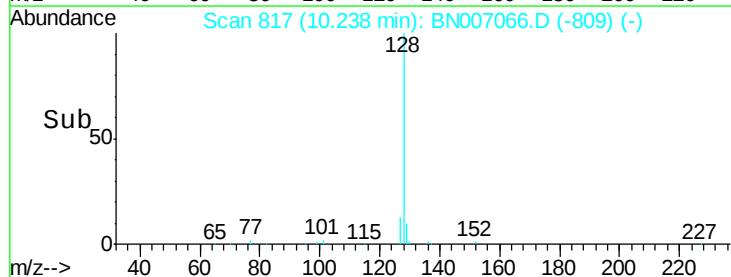
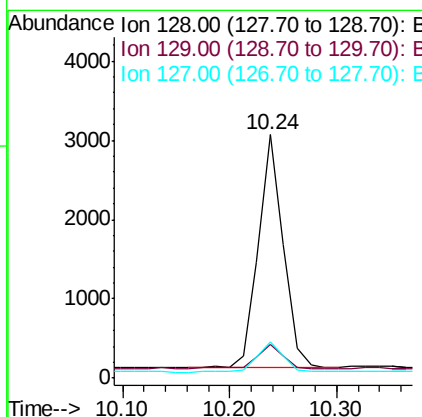
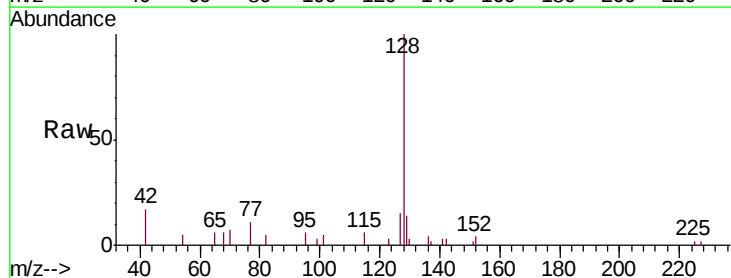
RT: 10.24 min Scan# 817

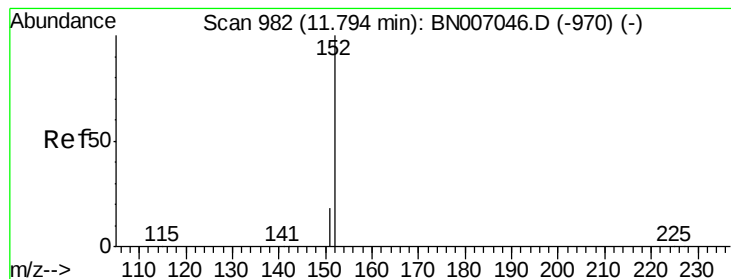
Delta R.T. -0.00 min

Lab File: BN007066.D

Acq: 11 Aug 2019 01:59

Tgt Ion:	128	Resp:	4789
Ion	Ratio	Lower	Upper
128	100		
129	13.9	9.4	14.2
127	14.9	11.0	16.6





#10

2-Methylnaphthalene-d10

Concen: 0.224 ng

RT: 11.79 min Scan# 982

Delta R.T. -0.00 min

Lab File: BN007066.D

Acq: 11 Aug 2019 01:59

Instrument :

BNA_N

ClientSampleId :

PST-013-SW101-080519

Tgt Ion:152 Resp: 12703

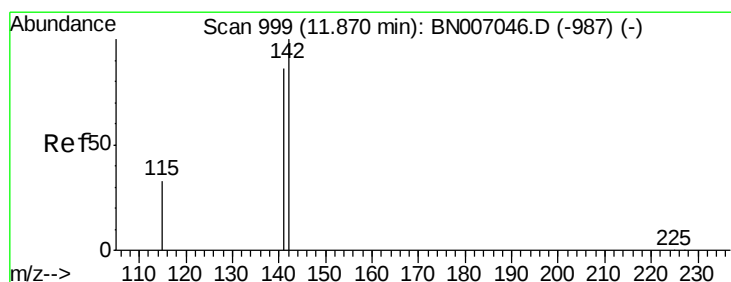
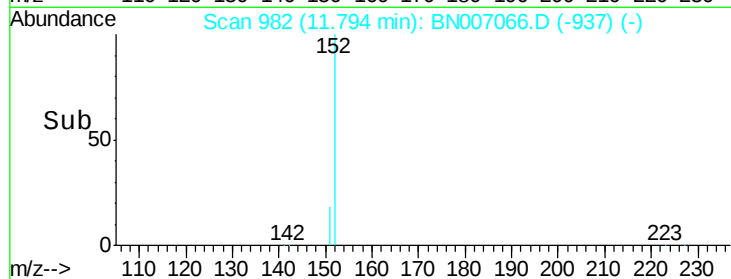
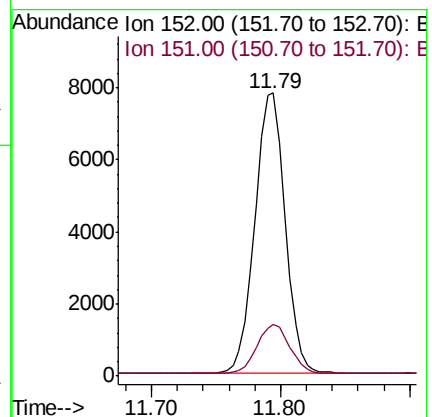
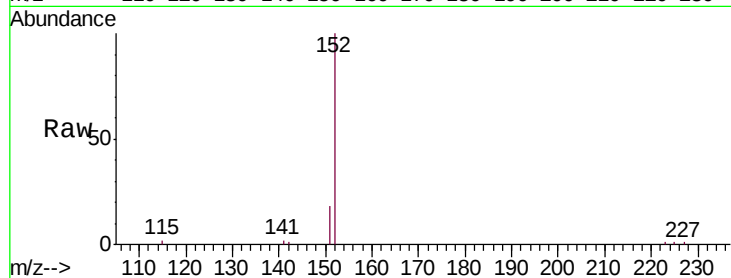
Ion Ratio Lower Upper

152 100

151 19.3 15.5 23.3

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#11

2-Methylnaphthalene

Concen: 0.045 ng

RT: 11.87 min Scan# 998

Delta R.T. -0.00 min

Lab File: BN007066.D

Acq: 11 Aug 2019 01:59

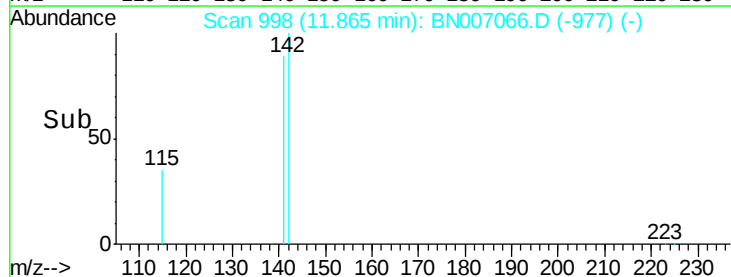
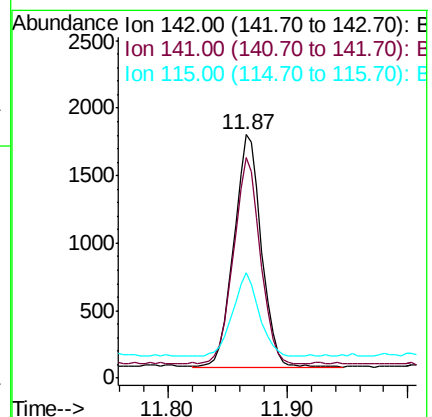
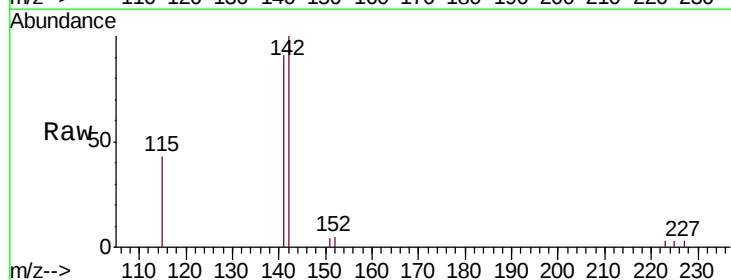
Tgt Ion:142 Resp: 2744

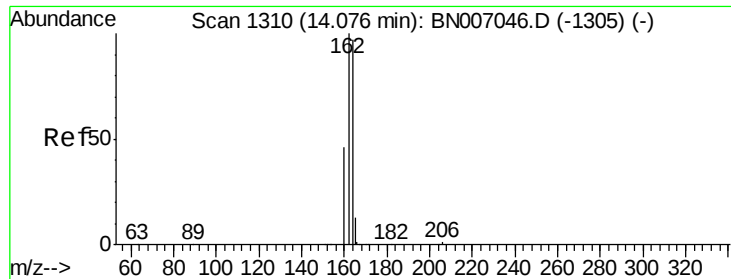
Ion Ratio Lower Upper

142 100

141 90.9 69.0 103.6

115 43.3 27.1 40.7#





#12

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.08 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BN007066.D

Acq: 11 Aug 2019 01:59

Instrument :

BNA_N

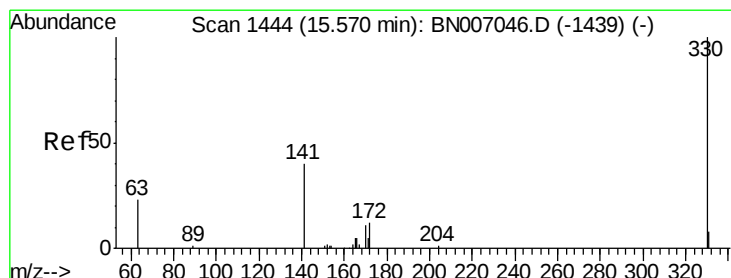
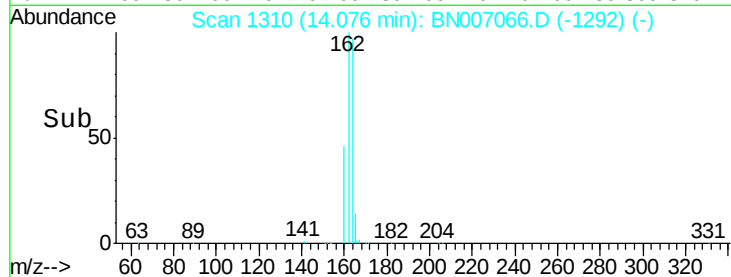
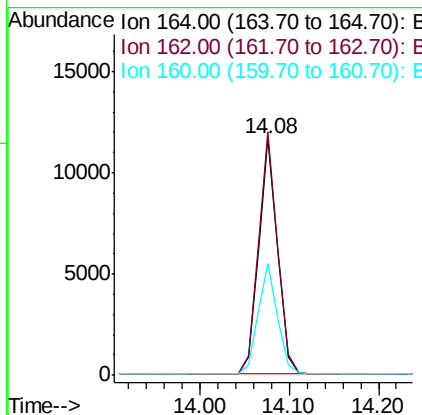
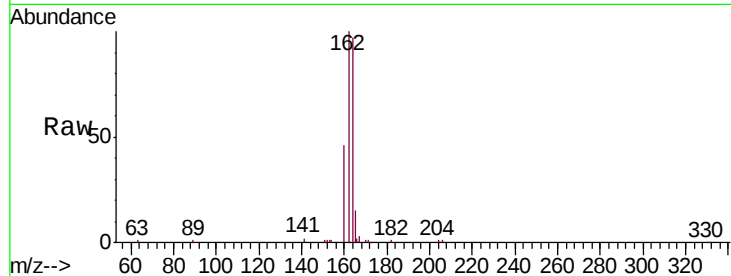
ClientSampleId :

PST-013-SW101-080519

Tgt Ion:	164	Resp:	17109
Ion Ratio	Lower	Upper	
164	100		
162	102.9	82.2	123.4
160	47.4	38.3	57.5

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#13

2,4,6-Tribromophenol

Concen: 0.128 ng

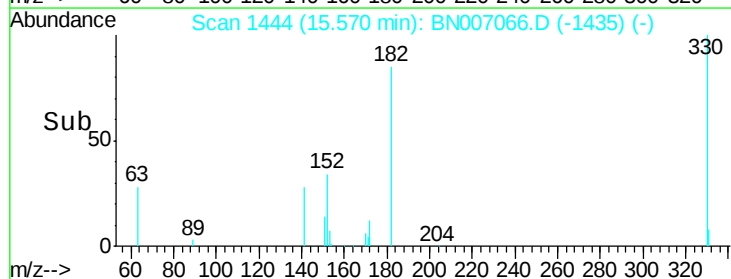
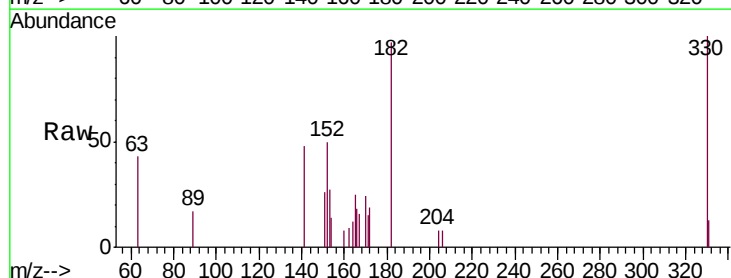
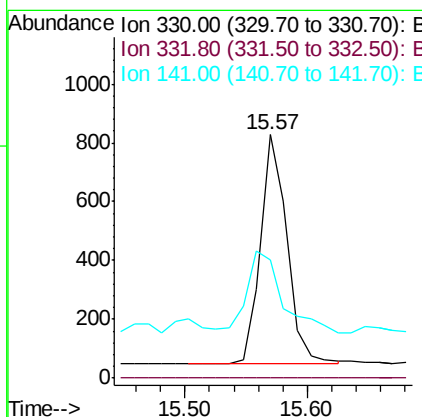
RT: 15.57 min Scan# 1444

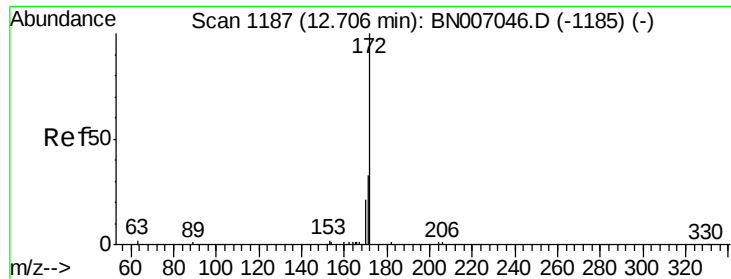
Delta R.T. -0.00 min

Lab File: BN007066.D

Acq: 11 Aug 2019 01:59

Tgt Ion:	330	Resp:	1181
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	47.8	33.6	50.4





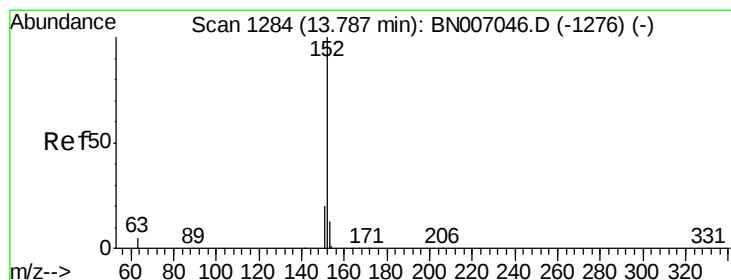
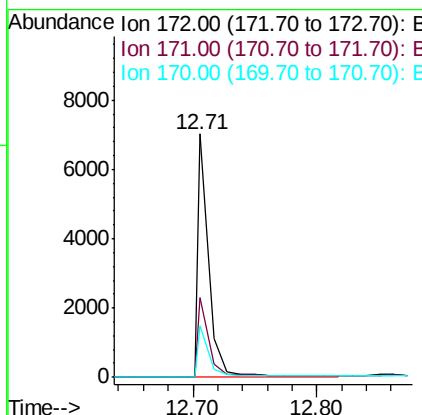
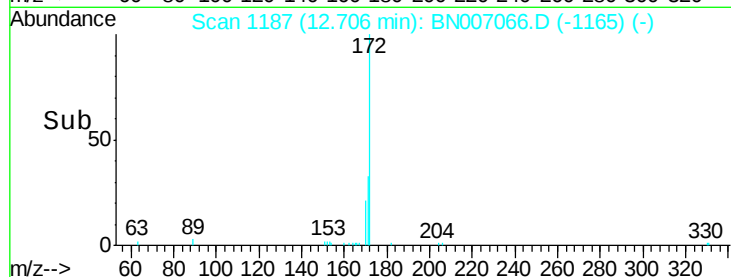
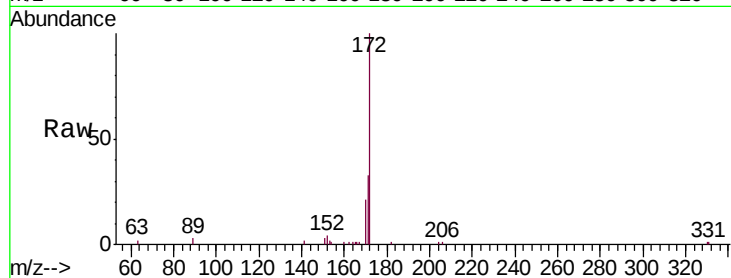
#14
2-Fluorobiphenyl
Concen: 0.213 ng
RT: 12.71 min Scan# 1187
Delta R.T. -0.00 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

Instrument :
BNA_N
ClientSampleId :
PST-013-SW101-080519

Tgt Ion	Ratio	Lower	Upper
172	100		
171	32.9	26.3	39.5
170	21.1	17.0	25.4

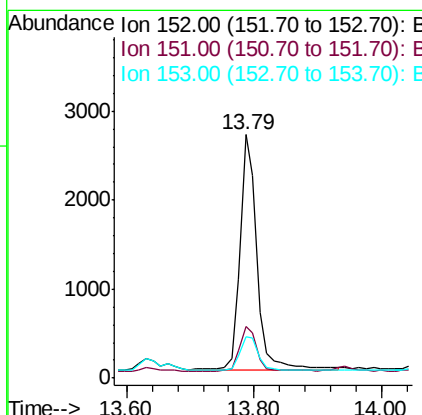
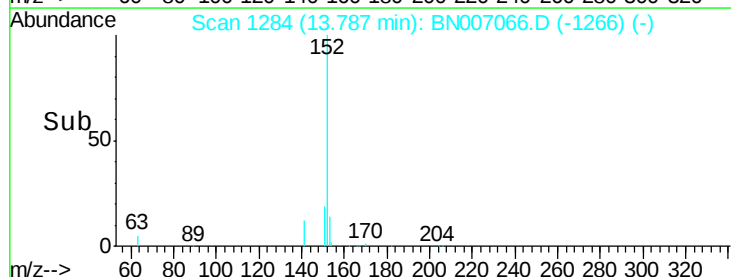
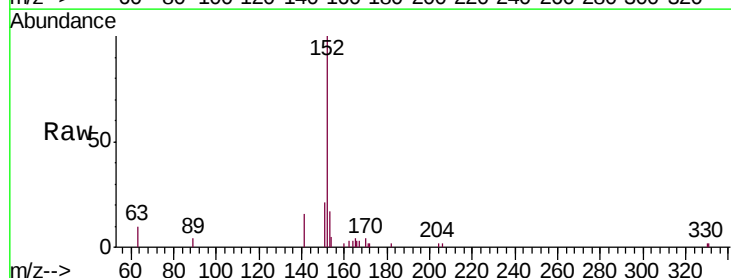
Manual Integrations
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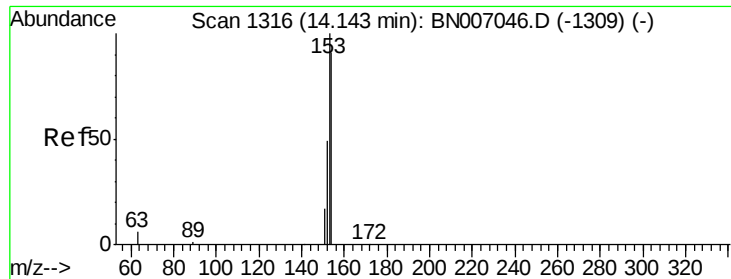
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8/14/2019 2:56:38 AM



#15
Acenaphthylene
Concen: 0.055 ng
RT: 13.79 min Scan# 1284
Delta R.T. -0.00 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	15.6	10.4	15.6





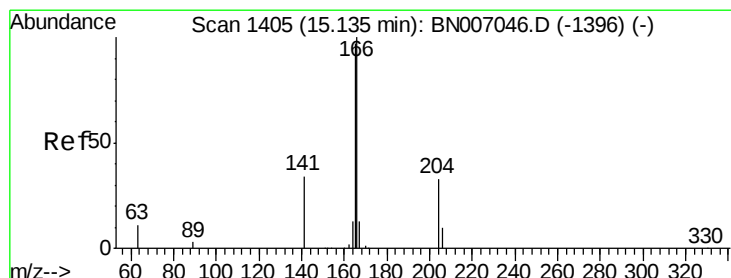
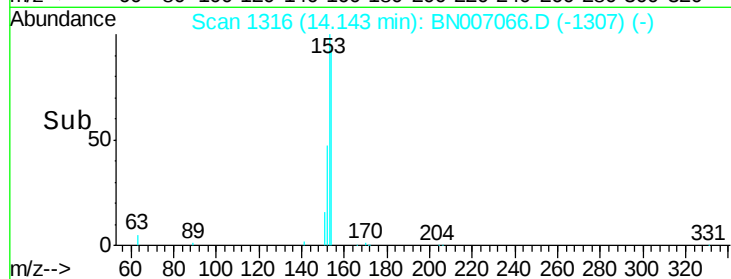
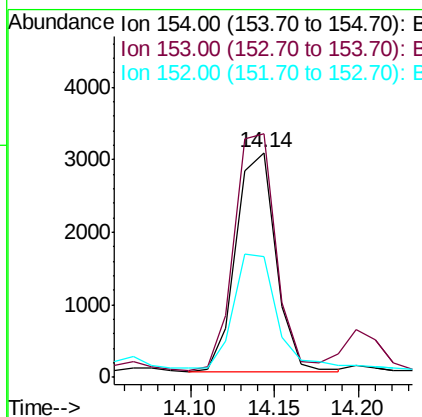
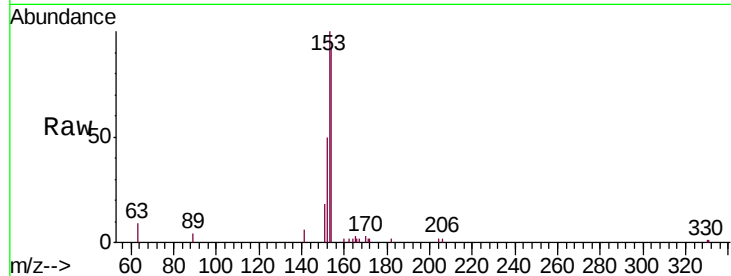
#16
Acenaphthene
Concen: 0.087 ng
RT: 14.14 min Scan# 1316
Delta R.T. -0.00 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

Instrument :
BNA_N
ClientSampleId :
PST-013-SW101-080519

Tgt Ion:	154	Resp:	5001
Ion Ratio	Lower	Upper	
154	100		
153	113.0	89.5	134.3
152	58.9	44.8	67.2

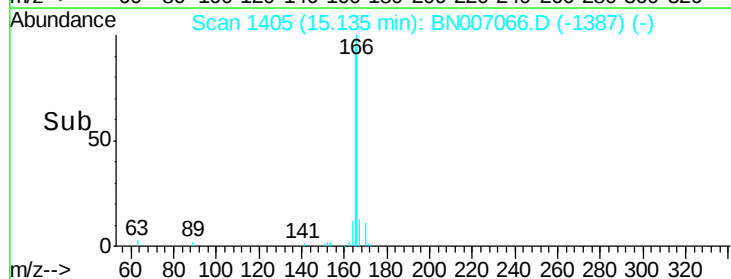
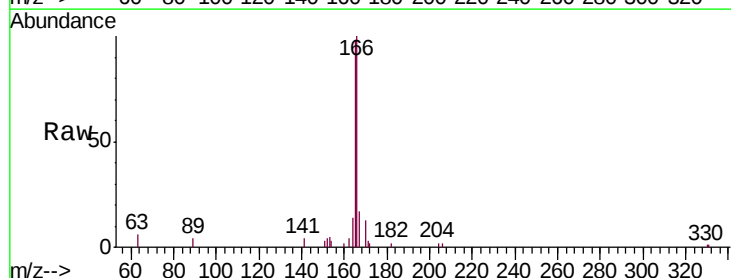
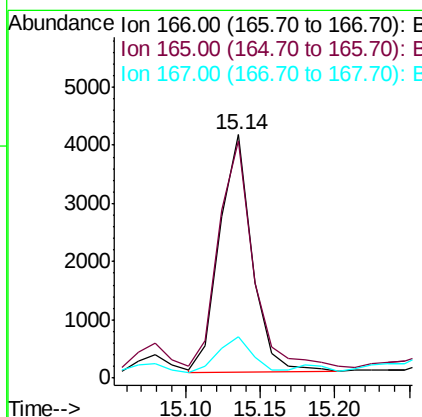
Manual Integrations
APPROVED

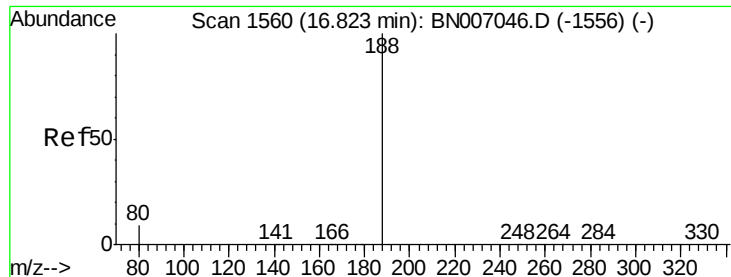
mohammad
8/14/2019 2:56:38 AM



#17
Fluorene
Concen: 0.072 ng
RT: 15.14 min Scan# 1405
Delta R.T. -0.00 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

Tgt Ion:	166	Resp:	6162
Ion Ratio	Lower	Upper	
166	100		
165	100.9	77.9	116.9
167	16.0	10.9	16.3





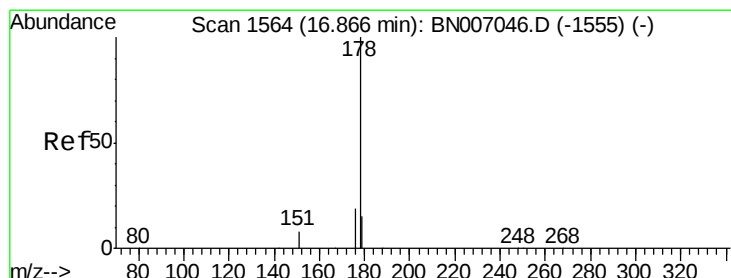
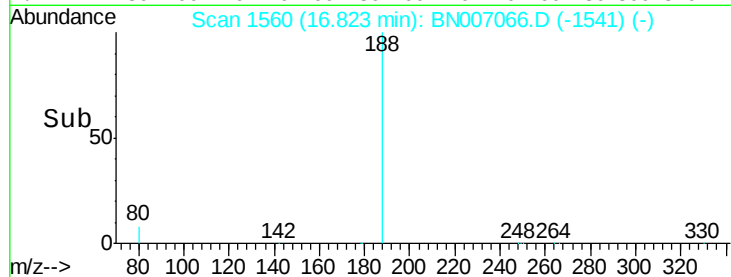
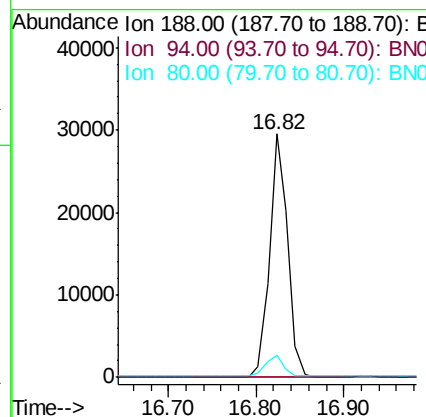
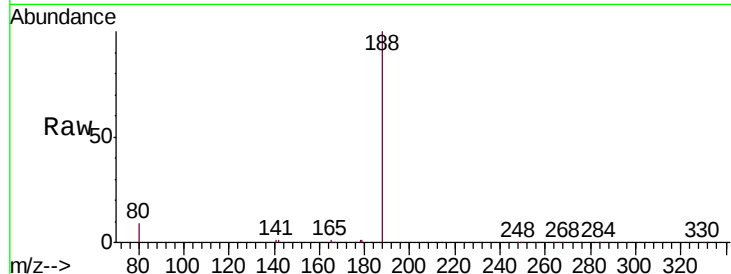
#18
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.82 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

Instrument :
BNA_N
ClientSampleId :
PST-013-SW101-080519

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	0.0	0.0	0.0
80	8.9	7.8	11.6

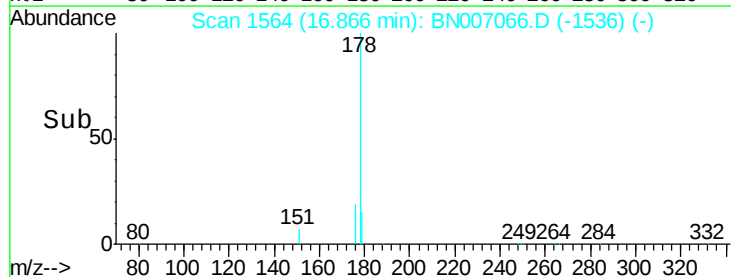
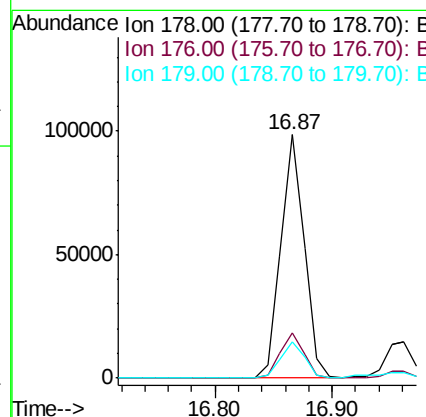
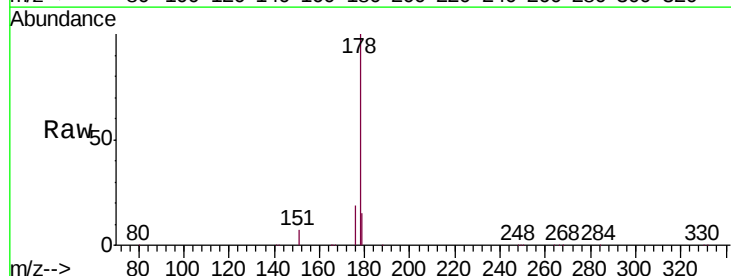
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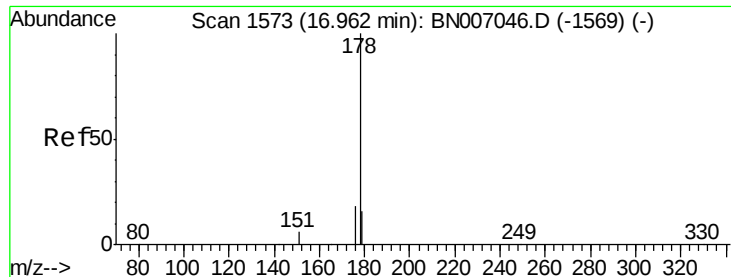
mohammad
8/14/2019 2:56:38 AM



#22
Phenanthrene
Concen: 1.079 ng
RT: 16.87 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.9	15.2	22.8
179	15.3	12.3	18.5





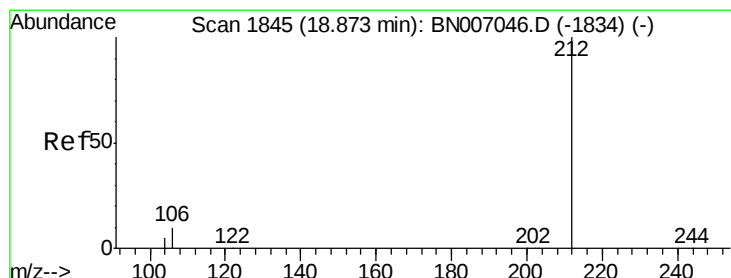
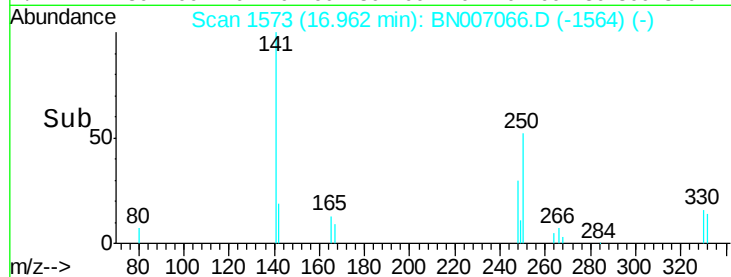
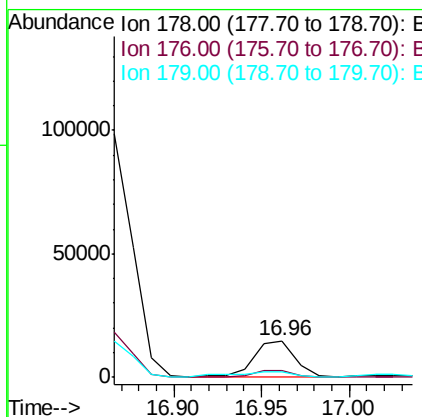
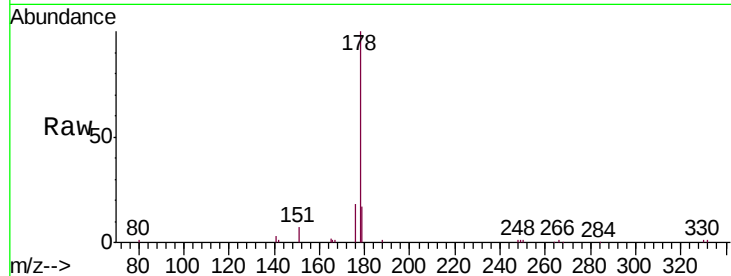
#23
 Anthracene
 Concen: 0.200 ng
 RT: 16.96 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: BN007066.D
 Acq: 11 Aug 2019 01:59

Instrument :
 BNA_N
 ClientSampleId :
 PST-013-SW101-080519

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.6	21.8
179	21.4	12.5	18.7

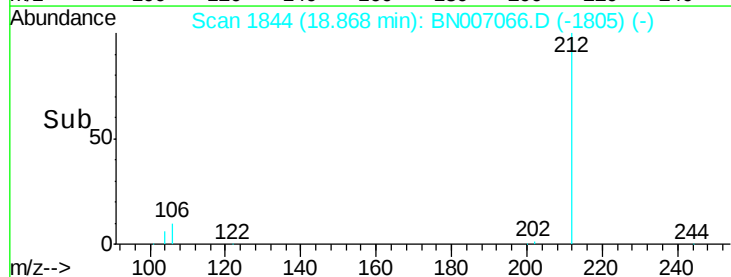
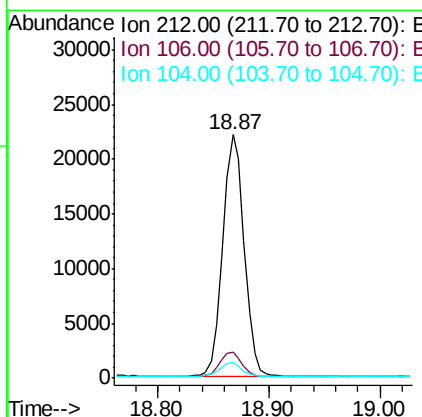
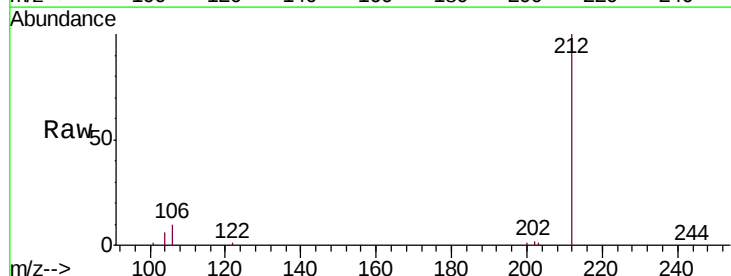
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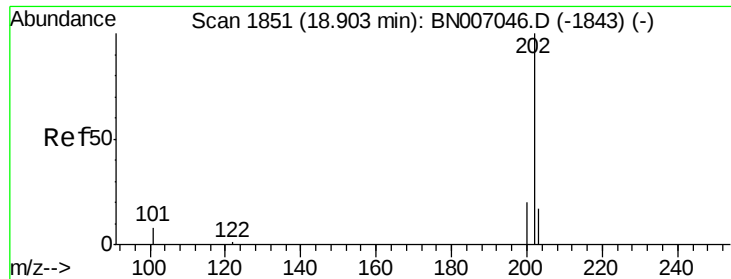
mohammad
 8/14/2019 2:56:38 AM



#24
 Fluoranthene-d10
 Concen: 0.197 ng
 RT: 18.87 min Scan# 1844
 Delta R.T. -0.00 min
 Lab File: BN007066.D
 Acq: 11 Aug 2019 01:59

Tgt Ion	Ratio	Lower	Upper
212	100		
106	10.2	8.2	12.2
104	5.8	4.5	6.7





#25

Fluoranthene

Concen: 1.099 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.00 min

Lab File: BN007066.D

Acq: 11 Aug 2019 01:59

Instrument :

BNA_N

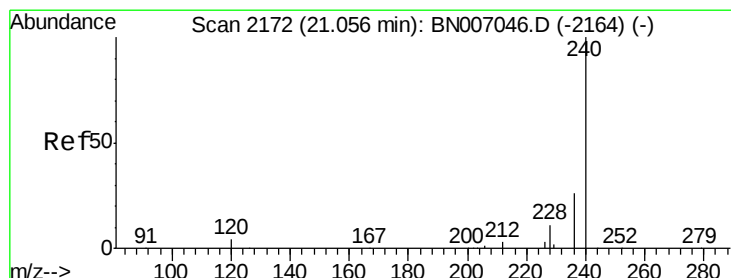
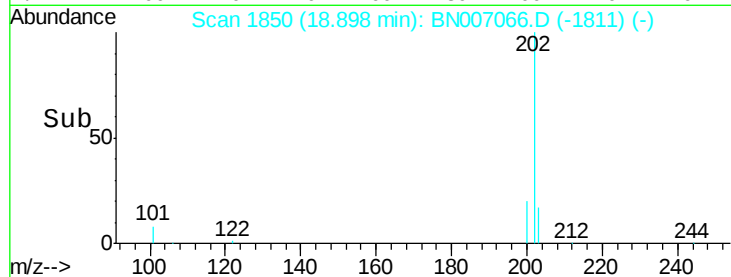
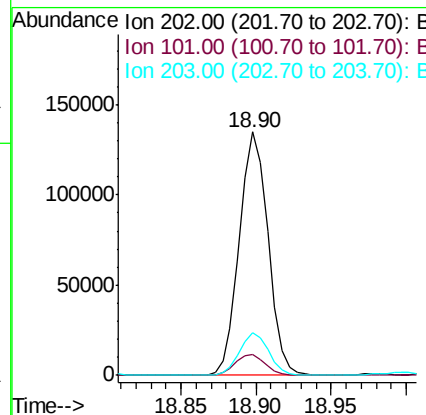
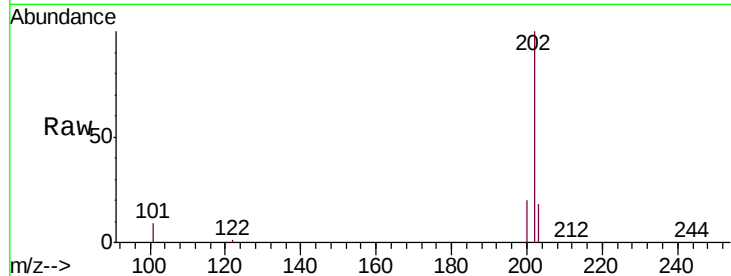
ClientSampleId :

PST-013-SW101-080519

Tgt Ion:	202	Resp:	178106
Ion Ratio	Lower	Upper	
202	100		
101	8.7	7.0	10.4
203	17.5	13.8	20.8

Manual Integrations
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#26

Chrysene-d12

Concen: 0.400 ng

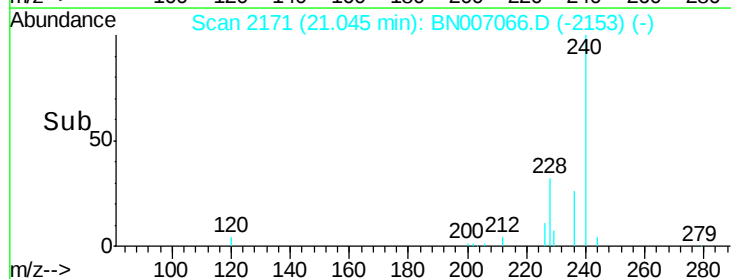
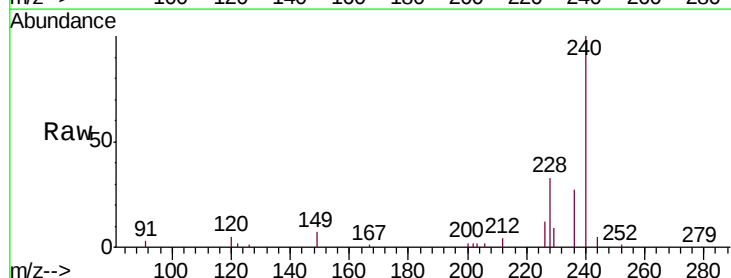
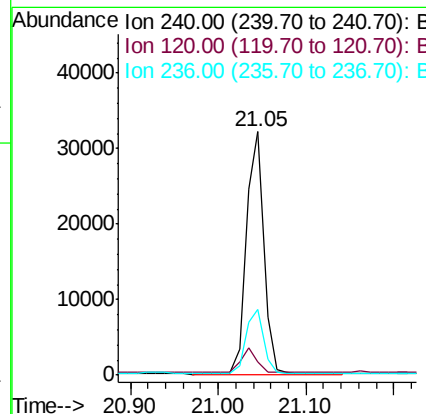
RT: 21.05 min Scan# 2171

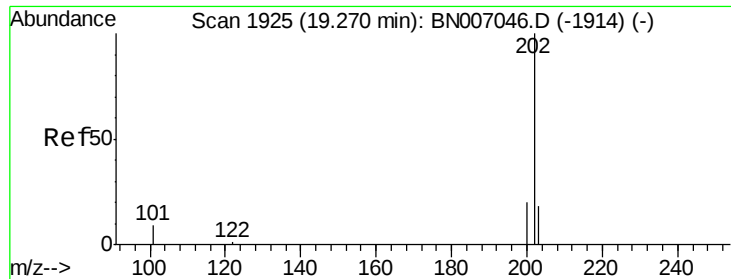
Delta R.T. -0.01 min

Lab File: BN007066.D

Acq: 11 Aug 2019 01:59

Tgt Ion:	240	Resp:	44073
Ion Ratio	Lower	Upper	
240	100		
120	5.3	4.0	6.0
236	27.0	21.3	31.9





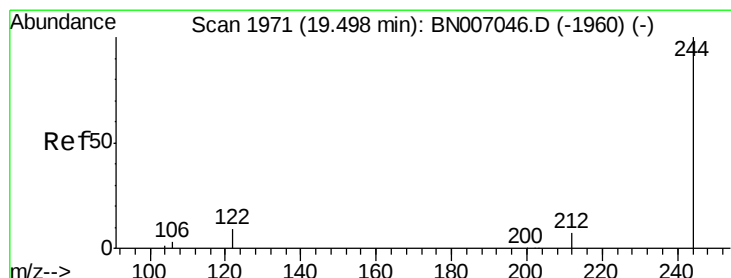
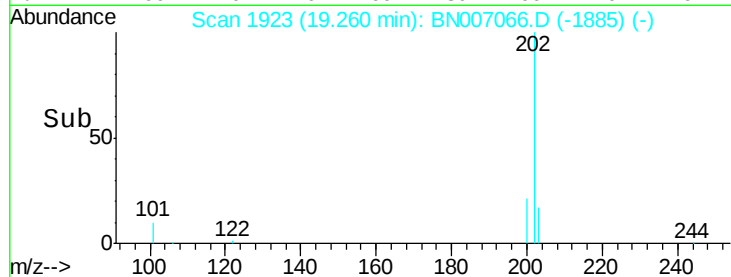
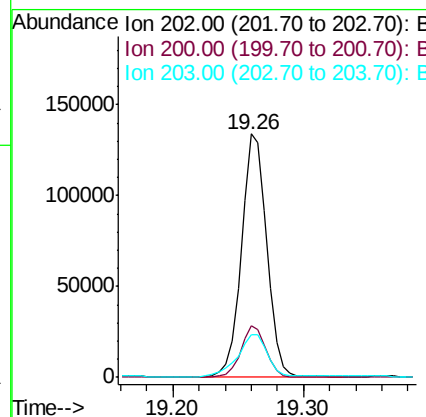
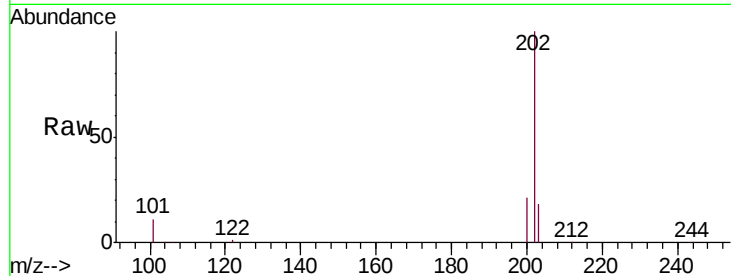
#27
 Pyrene
 Concen: 1.176 ng
 RT: 19.26 min Scan# 1923
 Delta R.T. -0.01 min
 Lab File: BN007066.D
 Acq: 11 Aug 2019 01:59

Instrument :
 BNA_N
 ClientSampleId :
 PST-013-SW101-080519

Tgt Ion:	202	Resp:	181771
Ion Ratio	Lower	Upper	
202	100		
200	20.9	16.6	24.8
203	20.8	14.0	21.0

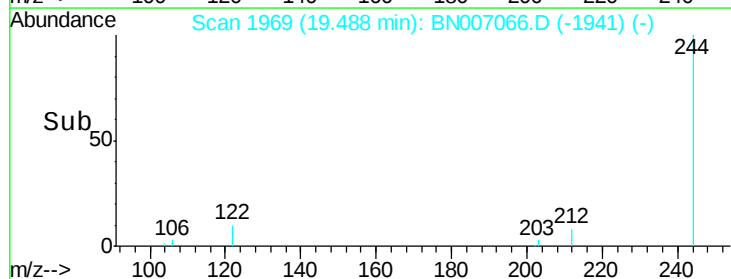
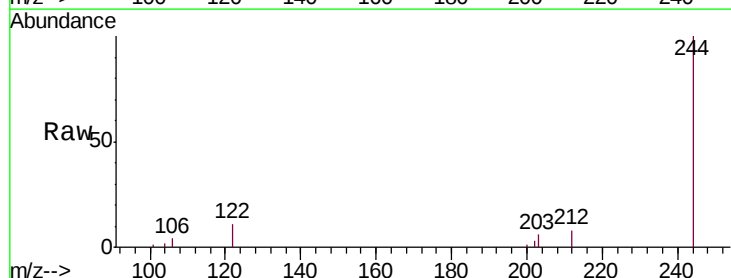
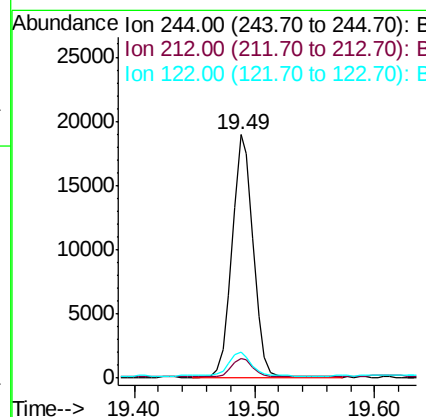
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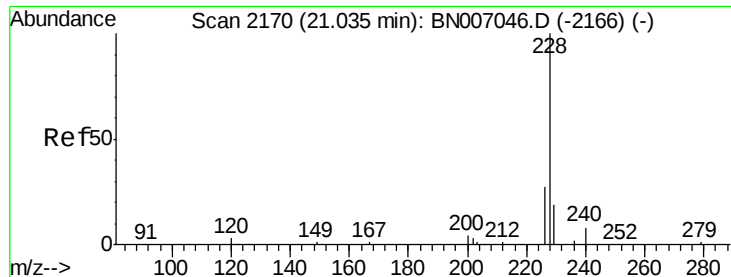
mohammad
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#28
 Terphenyl-d14
 Concen: 0.190 ng
 RT: 19.49 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: BN007066.D
 Acq: 11 Aug 2019 01:59

Tgt Ion:	244	Resp:	22798
Ion Ratio	Lower	Upper	
244	100		
212	8.2	6.2	9.2
122	10.8	7.4	11.2





#29

Benzo(a)anthracene

Concen: 0.543 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007066.D

Acq: 11 Aug 2019 01:59

Instrument :

BNA_N

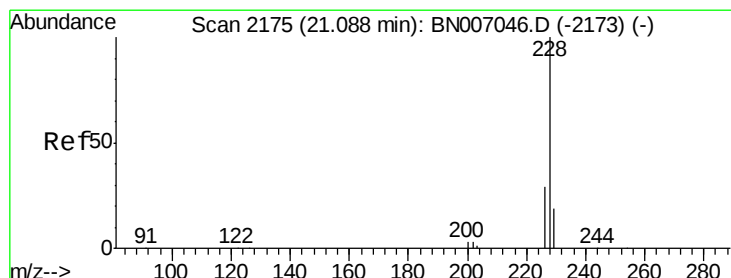
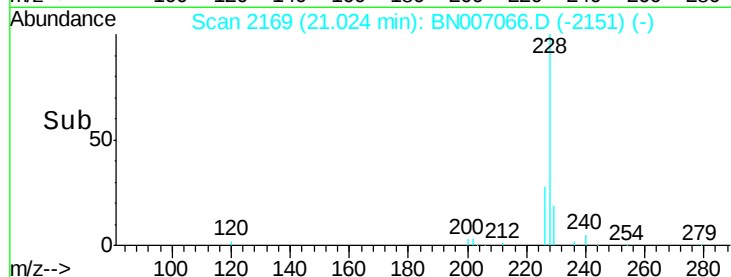
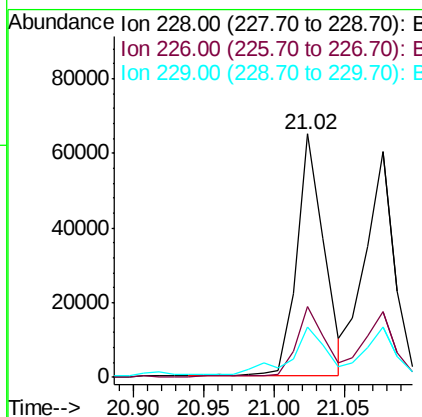
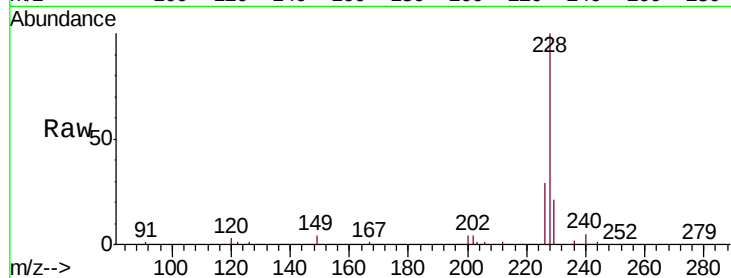
ClientSampleId :

PST-013-SW101-080519

Tgt Ion:	228	Resp:	87563
Ion Ratio	Lower	Upper	
228	100		
226	28.9	21.8	32.6
229	20.7	15.6	23.4

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#30

Chrysene

Concen: 0.553 ng

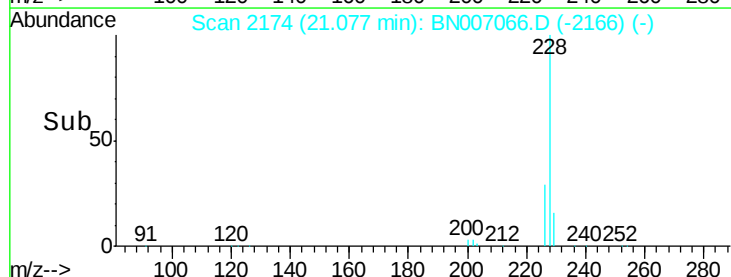
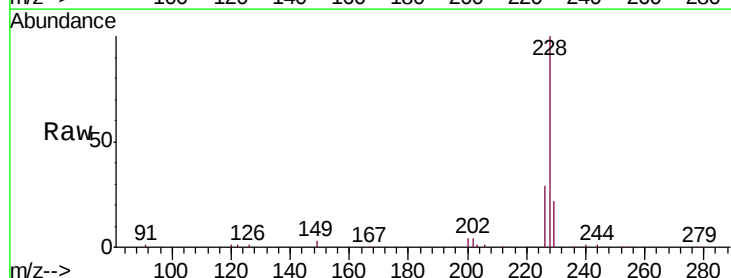
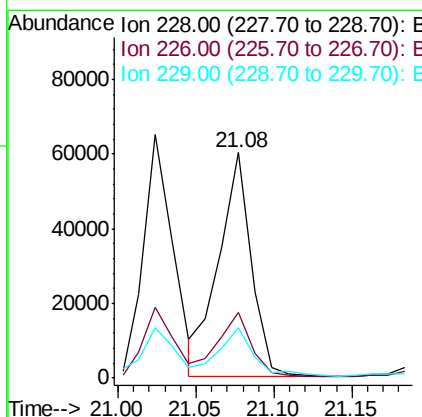
RT: 21.08 min Scan# 2174

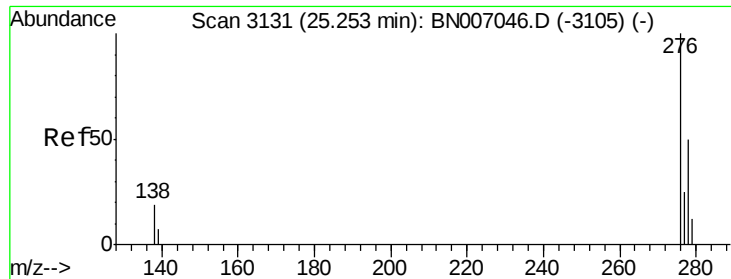
Delta R.T. -0.01 min

Lab File: BN007066.D

Acq: 11 Aug 2019 01:59

Tgt Ion:	228	Resp:	86649
Ion Ratio	Lower	Upper	
228	100		
226	29.4	23.8	35.6
229	22.5	15.7	23.5





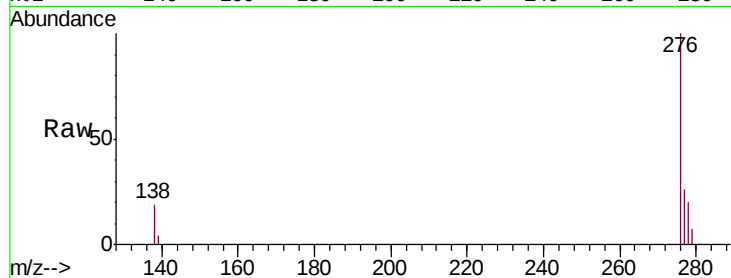
#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.276 ng
 RT: 25.23 min Scan# 3124
 Delta R.T. -0.02 min
 Lab File: BN007066.D
 Acq: 11 Aug 2019 01:59

Instrument :
 BNA_N
 ClientSampleId :
 PST-013-SW101-080519

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	47668		
138	17.6	16.0	24.0	
277	24.3	19.9	29.9	

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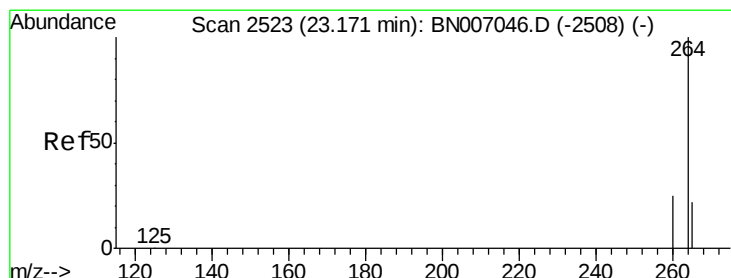
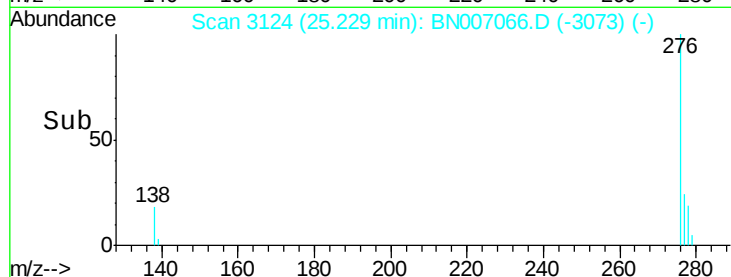
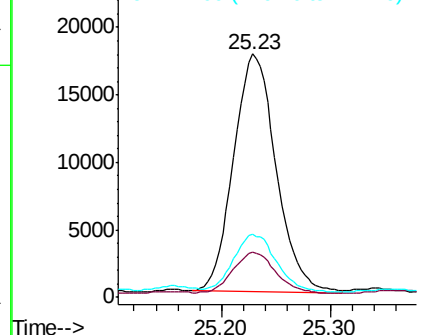


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#32
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.15 min Scan# 2518
 Delta R.T. -0.02 min
 Lab File: BN007066.D
 Acq: 11 Aug 2019 01:59

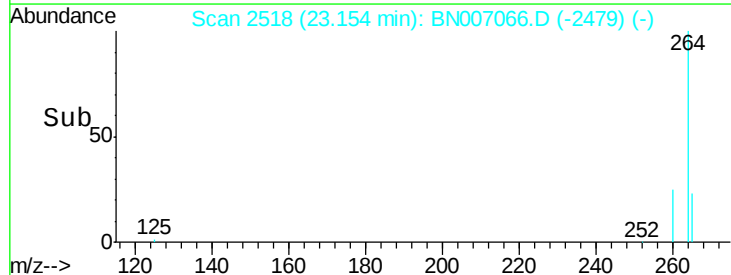
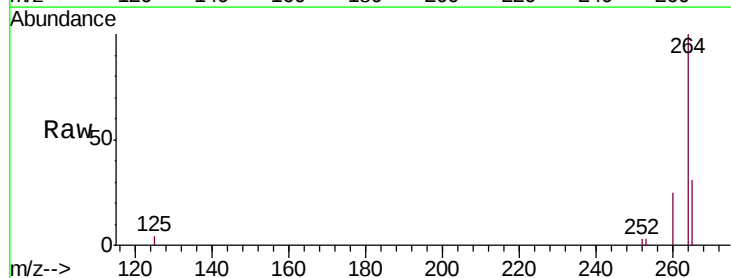
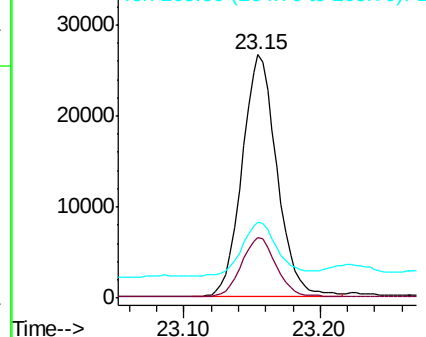
Tgt Ion	Ratio	Resp	Lower	Upper
264	100	47000		
260	24.9	19.8	29.8	
265	31.3	26.2	39.4	

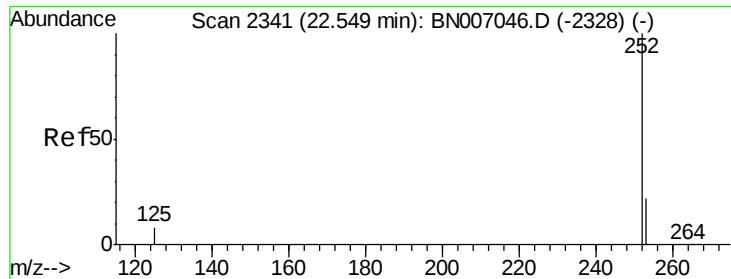
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





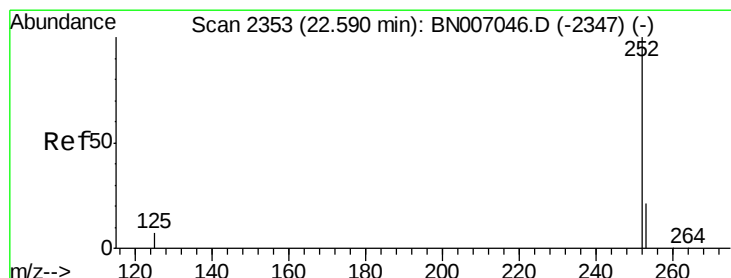
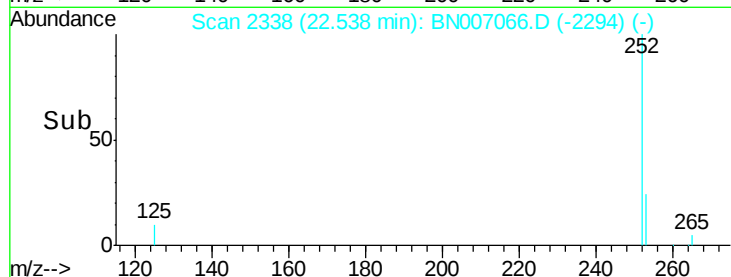
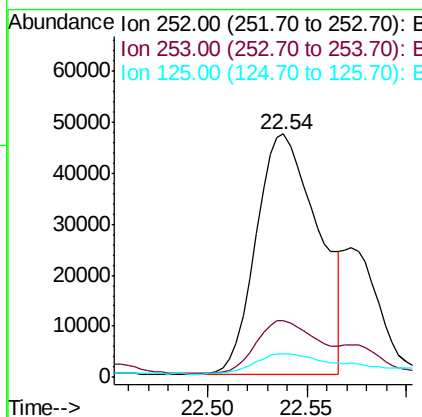
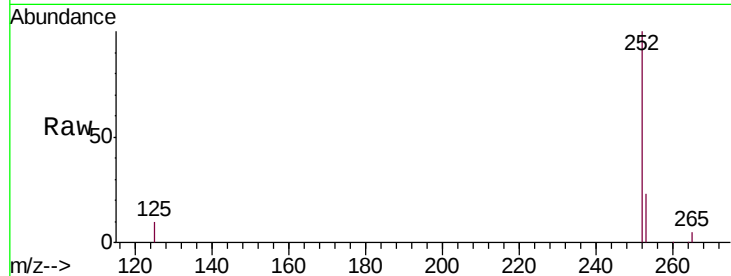
#33
Benzo(b)fluoranthene
Concen: 0.638 ng
RT: 22.54 min Scan# 2338
Delta R.T. -0.01 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

Instrument :
BNA_N
ClientSampleId :
PST-013-SW101-080519

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.2
125	9.6	7.4	11.0

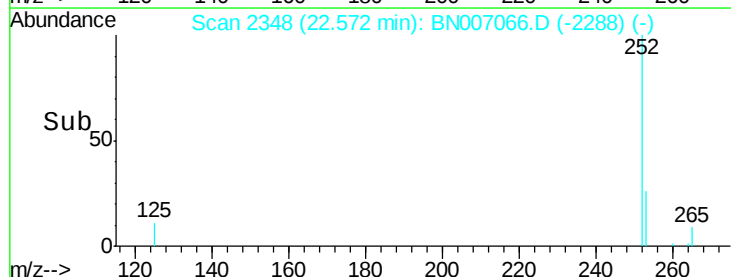
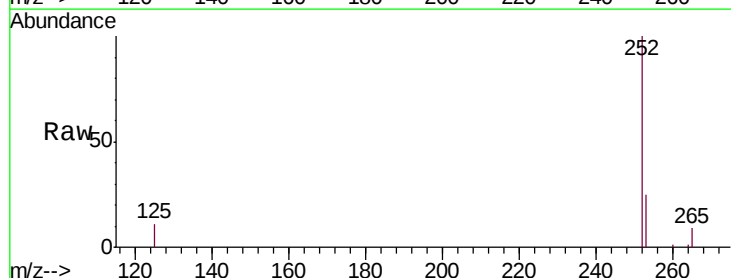
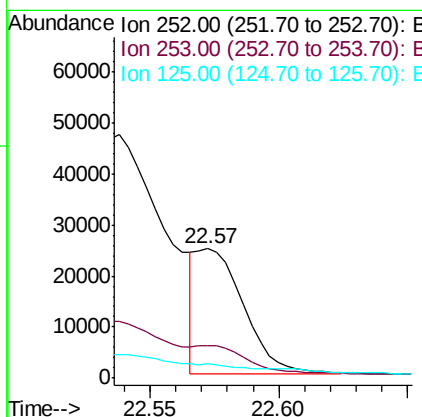
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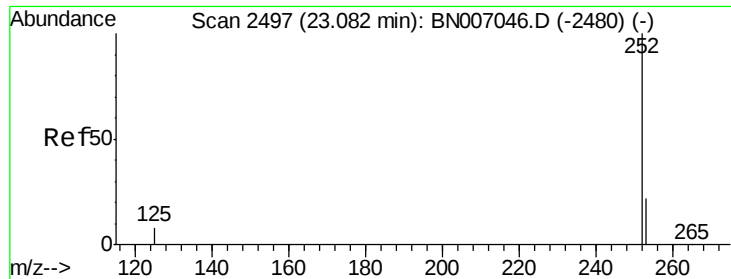
mohammad
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#34
Benzo(k)fluoranthene
Concen: 0.194 ng m
RT: 22.57 min Scan# 2348
Delta R.T. -0.02 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.1	27.1
125	10.8	7.4	11.0





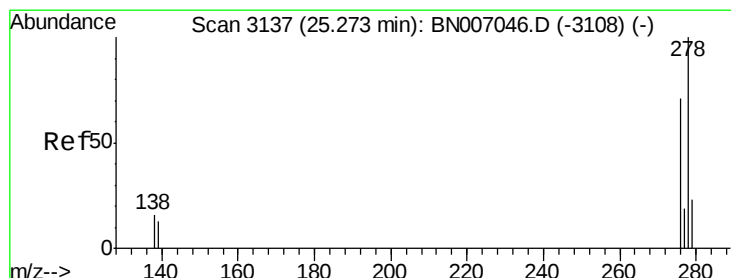
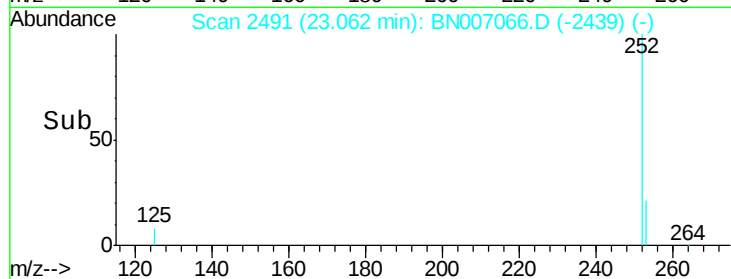
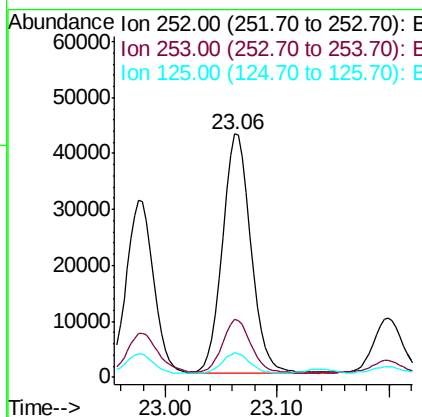
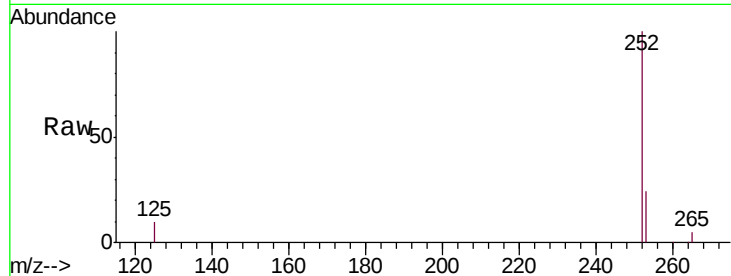
#35
Benzo(a)pyrene
Concen: 0.520 ng
RT: 23.06 min Scan# 2491
Delta R.T. -0.02 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

Instrument :
BNA_N
ClientSampleId :
PST-013-SW101-080519

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.5	27.7
125	10.0	8.2	12.4

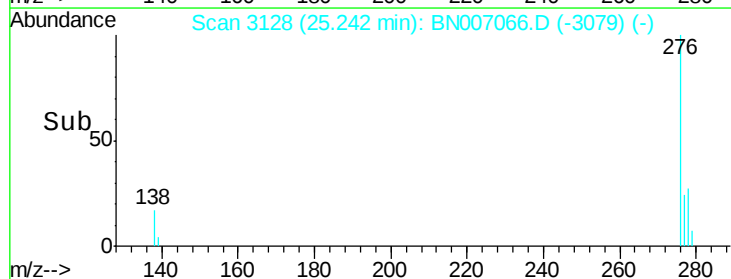
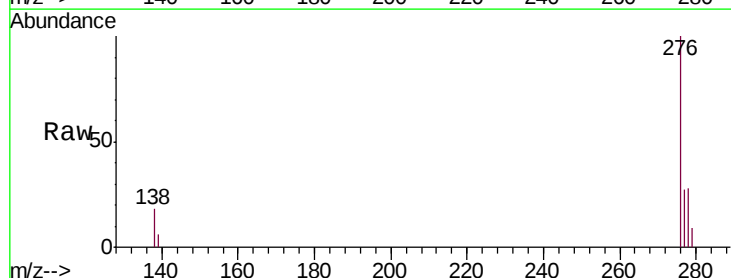
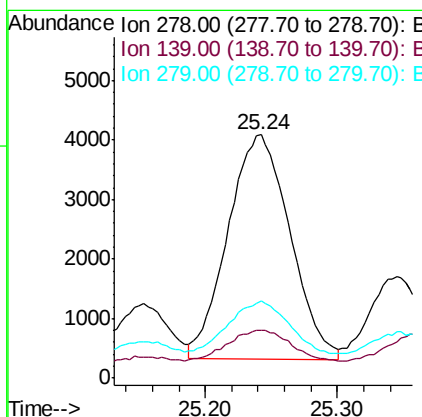
Manual Integrations
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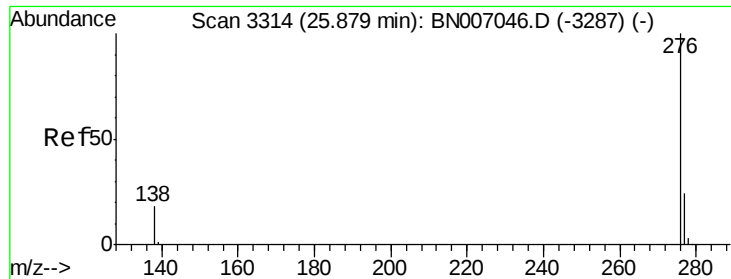
mohammad
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#36
Dibenzo(a,h)anthracene
Concen: 0.085 ng
RT: 25.24 min Scan# 3128
Delta R.T. -0.03 min
Lab File: BN007066.D
Acq: 11 Aug 2019 01:59

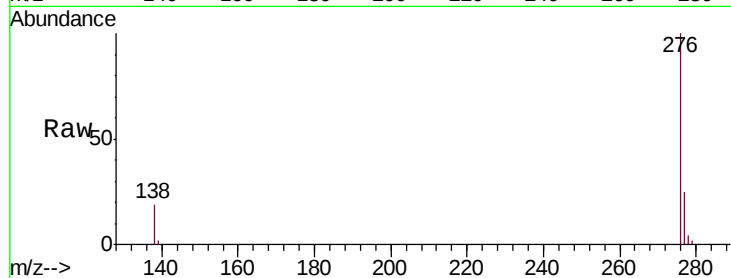
Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.5	11.3	16.9#
279	31.5	19.3	28.9#





#37
 Benzo(g,h,i)perylene
 Concen: 0.355 ng
 RT: 25.85 min Scan# 3307
 Delta R.T. -0.02 min
 Lab File: BN007066.D
 Acq: 11 Aug 2019 01:59

Instrument :
 BNA_N
 ClientSampleId :
 PST-013-SW101-080519



Tgt Ion:	276	Resp:	53193
Ion Ratio	Lower	Upper	
276	100		
277	25.3	19.8	29.8
138	18.5	14.6	22.0

Manual Integrations
 APPROVED

mohammad
 8/14/2019 2:56:38 AM

