

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100519\
 Data File : BN008043.D
 Acq On : 06 Oct 2019 03:49
 Operator : JU
 Sample : K5078-11
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B281-092519

Manual Integrations
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mohammad
 10/7/2019 4:40:22 PM

Quant Time: Oct 07 07:23:42 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN091819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Oct 03 18:39:49 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	3710	0.40	ng	-0.02
7) Naphthalene-d8	10.44	136	15064	0.40	ng	-0.03
13) Acenaphthene-d10	14.30	164	9435	0.40	ng	-0.02
19) Phenanthrene-d10	17.05	188	19580	0.40	ng	-0.02
27) Chrysene-d12	21.25	240	21444	0.40	ng	-0.02
34) Perylene-d12	23.46	264	24743	0.40	ng	-0.03

System Monitoring Compounds

4) 2-Fluorophenol	5.30	112	2472	0.19	ng	-0.02
5) Phenol-d6	6.87	99	3090	0.19	ng	0.00
8) Nitrobenzene-d5	8.82	82	2783	0.21	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	5887	0.23	ng	-0.03
14) 2,4,6-Tribromophenol	15.81	330	1145	0.22	ng	-0.01
15) 2-Fluorobiphenyl	12.92	172	7912	0.20	ng	-0.02
25) Fluoranthene-d10	19.08	212	14815	0.22	ng	-0.02
29) Terphenyl-d14	19.69	244	12482	0.24	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.49	128	6291	0.149	ng	# 94
12) 2-Methylnaphthalene	12.11	142	6254	0.219	ng	98
16) Acenaphthylene	14.02	152	96339	1.925	ng	99
17) Acenaphthene	14.37	154	8193	0.254	ng	95
18) Fluorene	15.36	166	24885	0.602	ng	# 85
23) Phenanthrene	17.09	178	414304	6.792	ng	100
24) Anthracene	17.18	178	90955	1.651	ng	97
26) Fluoranthene	19.12	202	511617	6.746	ng	99
28) Pyrene	19.48	202	596151	8.151	ng	97
30) Benzo(a)anthracene	21.23	228	288888	3.658	ng	97
31) Chrysene	21.28	228	330790	4.298	ng	98
32) Bis(2-ethylhexyl)phthalate	21.17	149	8893	0.219	ng	99
33) Indeno(1,2,3-cd)pyrene	25.67	276	158024	1.640	ng	# 96
35) Benzo(b)fluoranthene	22.80	252	320488	3.731	ng	99
36) Benzo(k)fluoranthene	22.84	252	101187m	1.191	ng	
37) Benzo(a)pyrene	23.37	252	238734	2.957	ng	99
38) Dibenzo(a,h)anthracene	25.67	278	45812	0.555	ng	# 86
39) Benzo(g,h,i)perylene	26.34	276	163122	1.996	ng	99

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

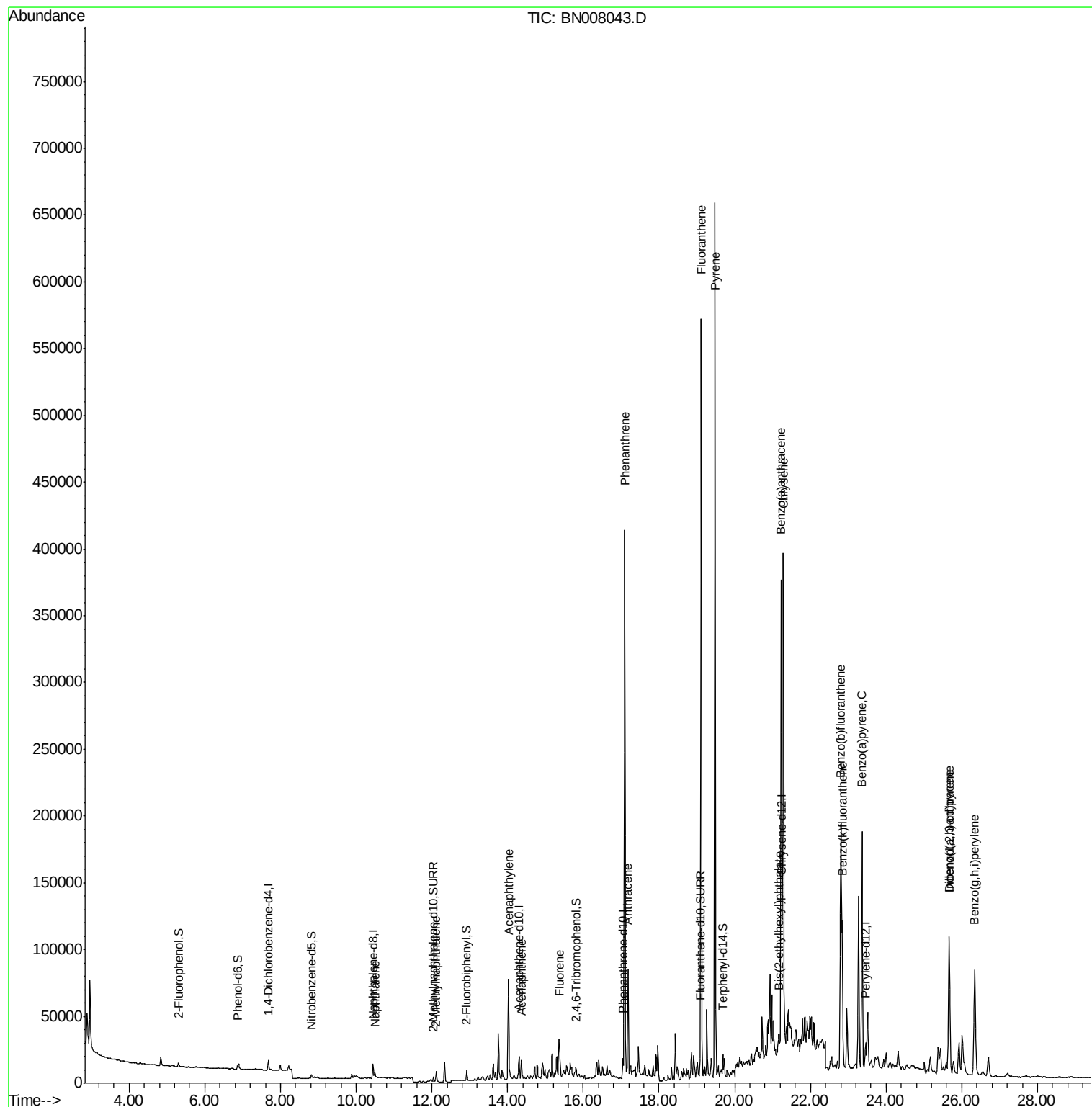
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100519\
Data File : BN008043.D
Acq On : 06 Oct 2019 03:49
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Sample : K5078-11
Misc :
ALS Vial : 19 Sample Multiplier: 1

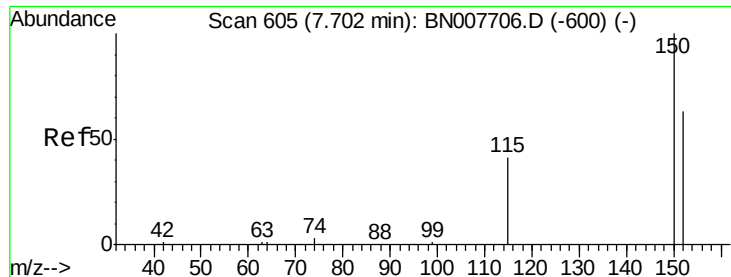
Instrument :
BNA_N
ClientSampleId :
PST-024-B281-092519

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10/7/2019 4:40:22 PM

Quant Time: Oct 07 07:23:42 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN091819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 03 18:39:49 2019
Response via : Initial Calibration





#1

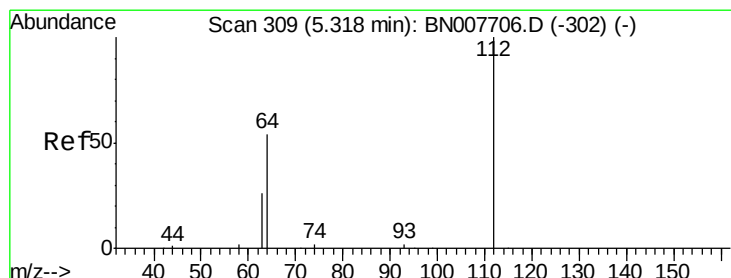
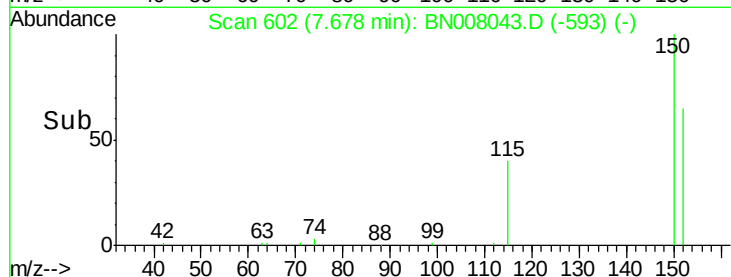
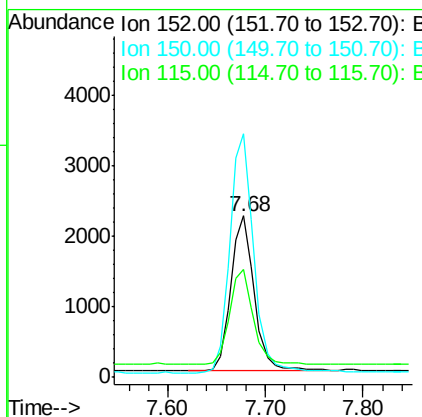
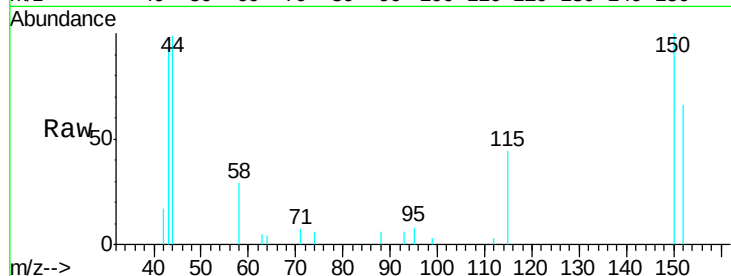
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.68 min Scan# 602
Delta R.T. -0.02 min
Lab File: BN008043.D
Acq: 06 Oct 2019 03:49

Instrument :
BNA_N
ClientSampleId :
PST-024-B281-092519

Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.0	125.6	188.4
115	67.0	53.3	79.9

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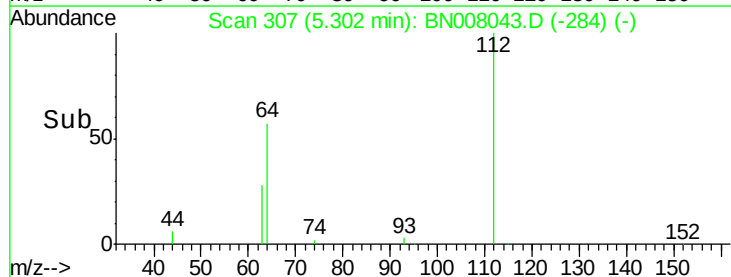
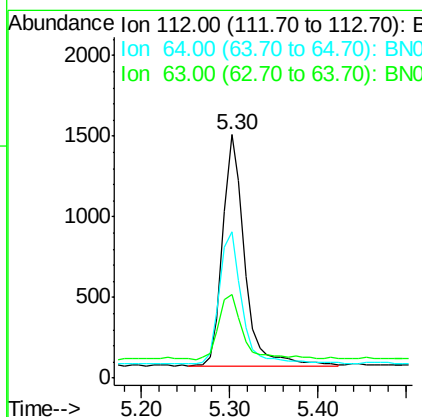
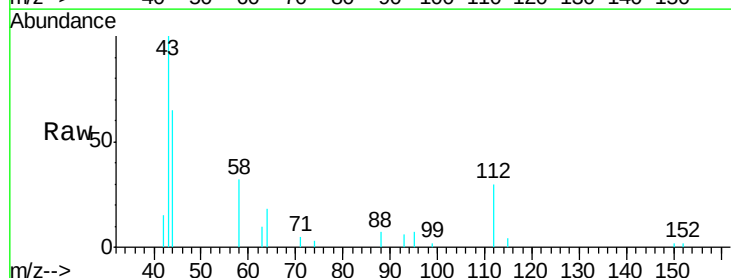
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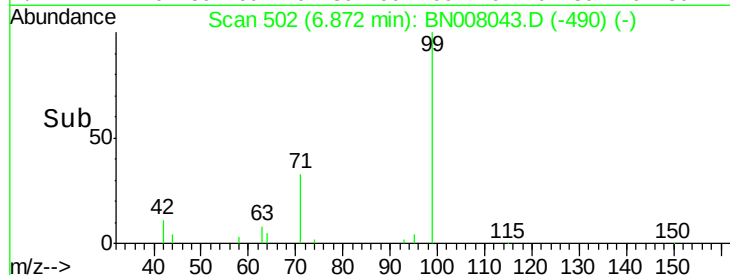
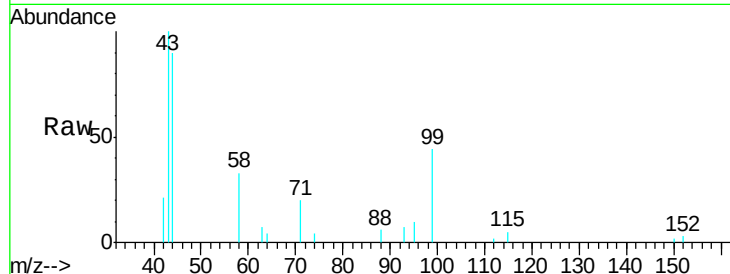
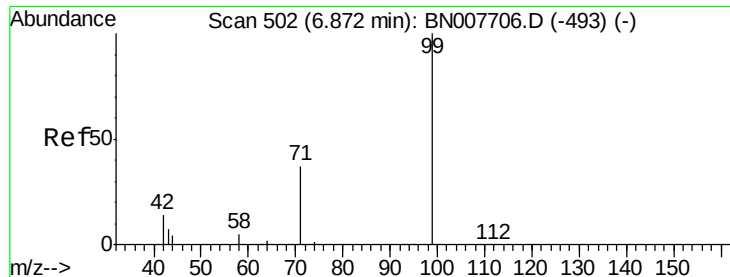


#4

2-Fluorophenol
Concen: 0.194 ng
RT: 5.30 min Scan# 307
Delta R.T. -0.02 min
Lab File: BN008043.D
Acq: 06 Oct 2019 03:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	46.6	70.0
63	30.5	23.1	34.7





#5

Phenol-d6

Concen: 0.191 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN008043.D

Acq: 06 Oct 2019 03:49

Tgt Ion:	99	Resp:	3090
Ion	Ratio	Lower	Upper
99	100		
42	21.0	12.8	19.2#
71	37.0	27.6	41.4

Instrument :

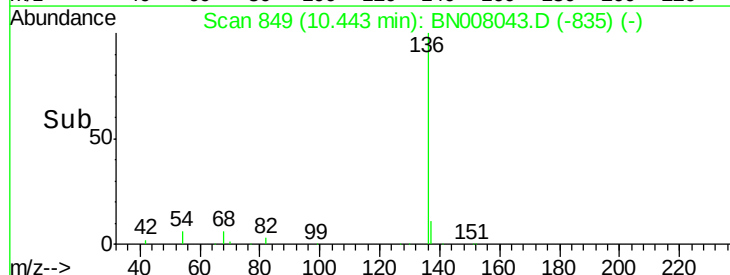
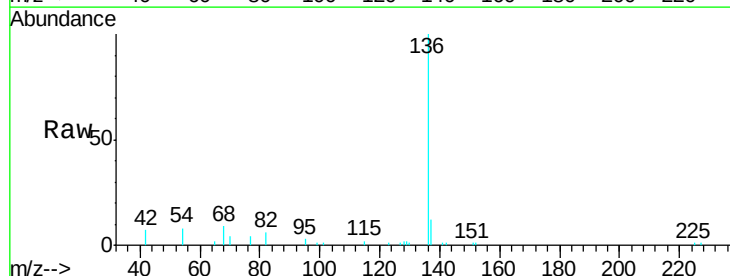
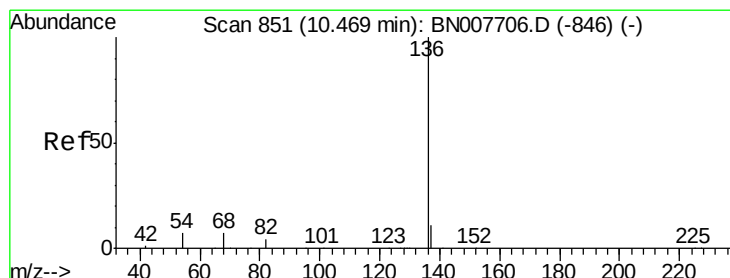
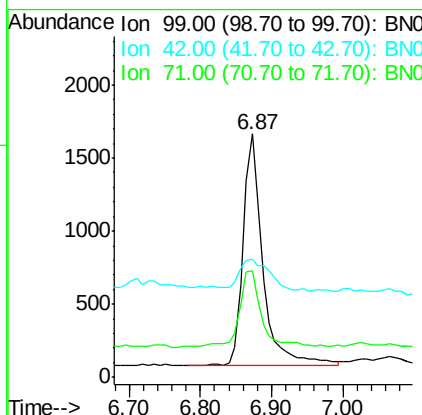
BNA_N

ClientSampleId :

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#7

Naphthalene-d8

Concen: 0.400 ng

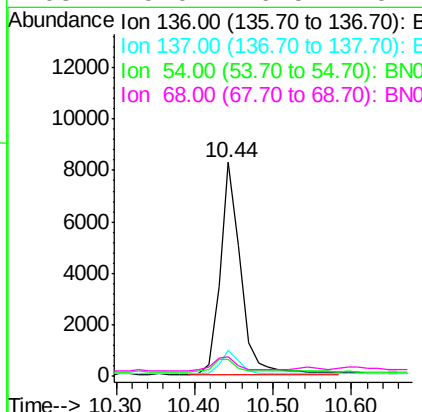
RT: 10.44 min Scan# 849

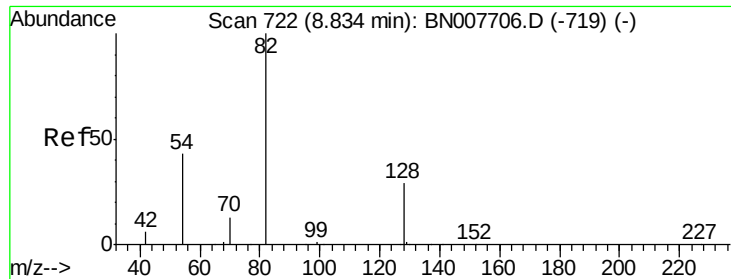
Delta R.T. -0.03 min

Lab File: BN008043.D

Acq: 06 Oct 2019 03:49

Tgt Ion:	136	Resp:	15064
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.2	13.8
54	7.7	5.8	8.8
68	9.0	6.5	9.7





#8

Nitrobenzene-d5

Concen: 0.211 ng

RT: 8.82 min Scan# 721

Delta R.T. -0.01 min

Lab File: BN008043.D

Acq: 06 Oct 2019 03:49

Instrument :

BNA_N

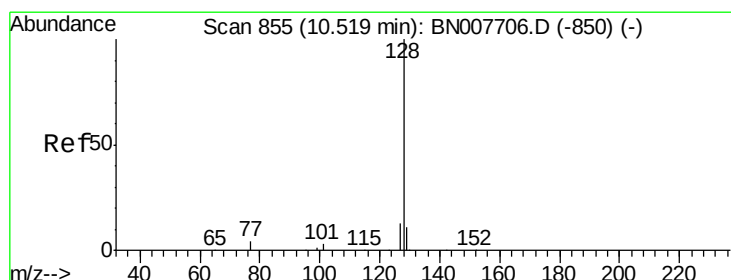
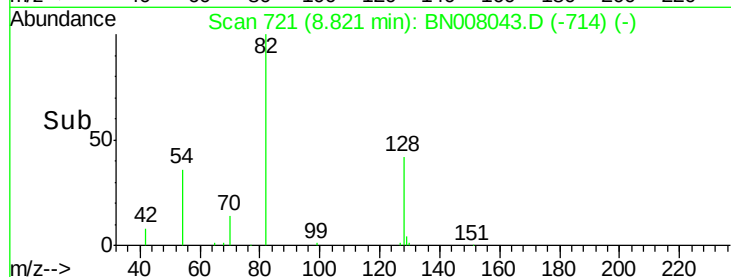
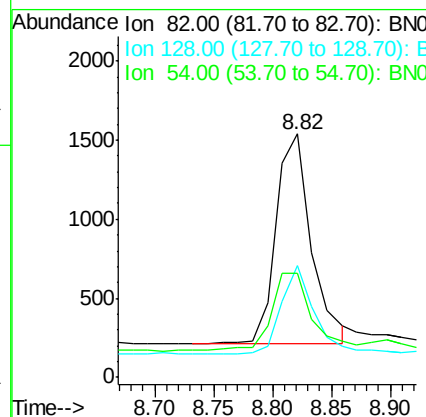
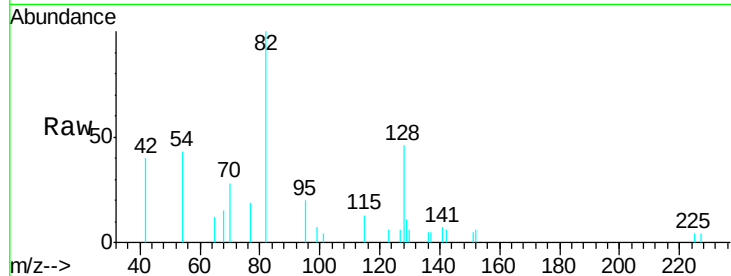
ClientSampleId :

PST-024-B281-092519

Tgt Ion:	82	Resp:	2783
Ion Ratio	Lower	Upper	
82	100		
128	45.8	24.5	36.7#
54	42.6	35.2	52.8

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#9

Naphthalene

Concen: 0.149 ng

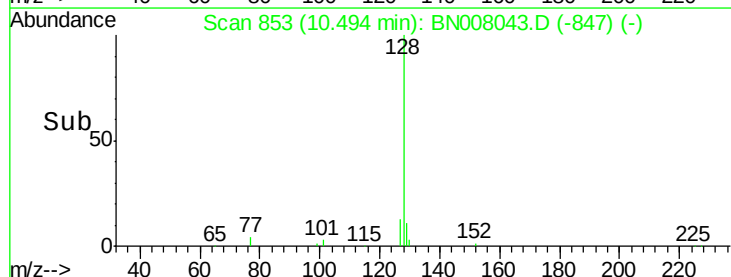
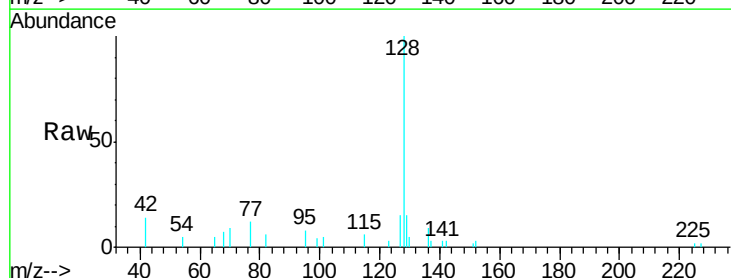
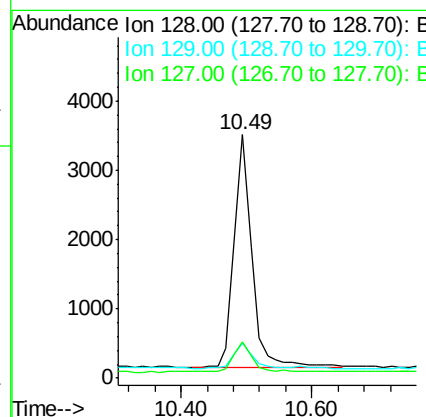
RT: 10.49 min Scan# 853

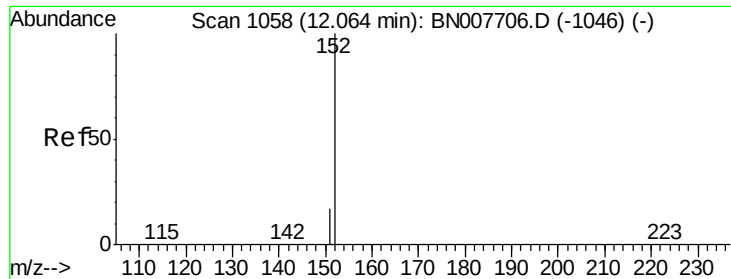
Delta R.T. -0.03 min

Lab File: BN008043.D

Acq: 06 Oct 2019 03:49

Tgt Ion:	128	Resp:	6291
Ion Ratio	Lower	Upper	
128	100		
129	14.6	9.1	13.7#
127	14.9	10.6	15.8





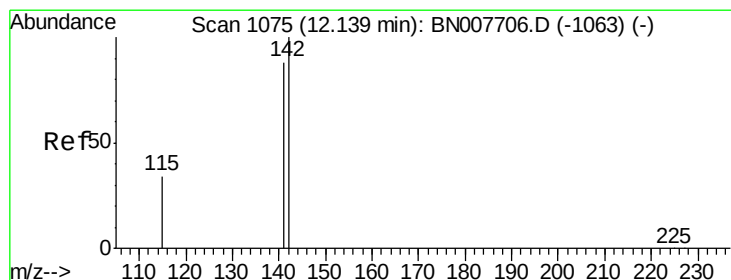
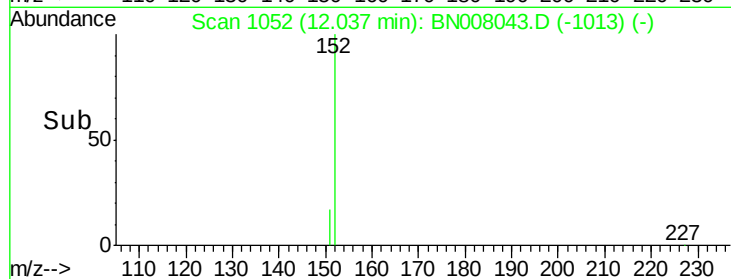
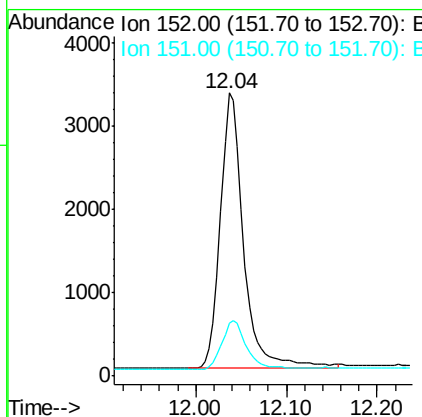
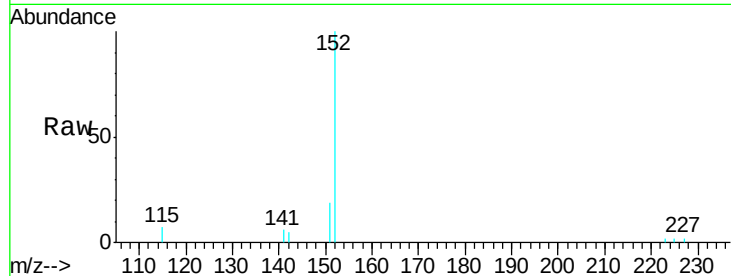
#11
2-Methylnaphthalene-d10
Concen: 0.232 ng
RT: 12.04 min Scan# 1052
Delta R.T. -0.03 min
Lab File: BN008043.D
Acq: 06 Oct 2019 03:49

Instrument :
BNA_N
ClientSampleId :
PST-024-B281-092519

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.4	23.2

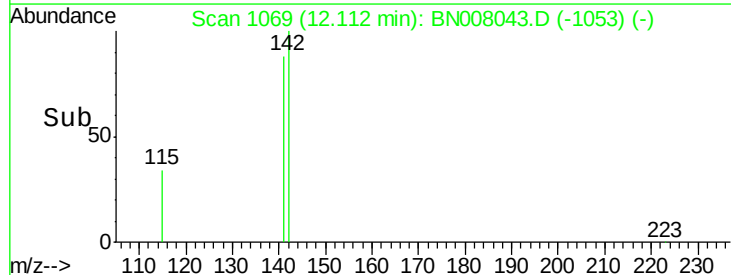
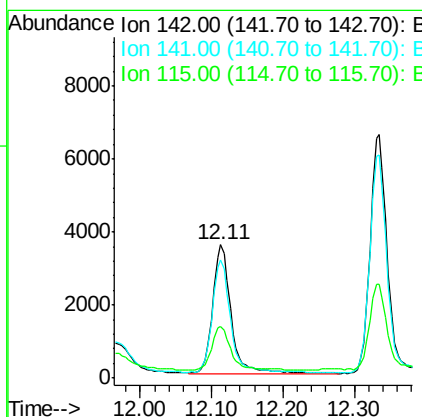
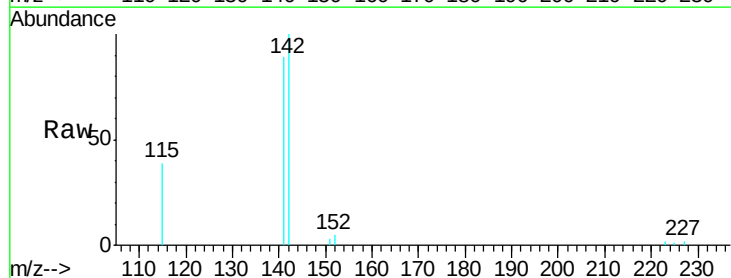
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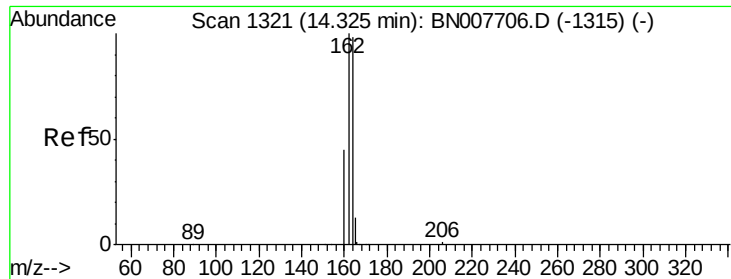
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#12
2-Methylnaphthalene
Concen: 0.219 ng
RT: 12.11 min Scan# 1069
Delta R.T. -0.03 min
Lab File: BN008043.D
Acq: 06 Oct 2019 03:49

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.6	70.6	106.0
115	39.0	28.3	42.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.30 min Scan# 1319

Delta R.T. -0.02 min

Lab File: BN008043.D

Acq: 06 Oct 2019 03:49

Instrument :

BNA_N

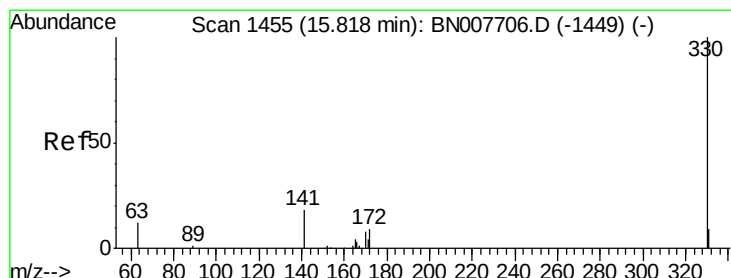
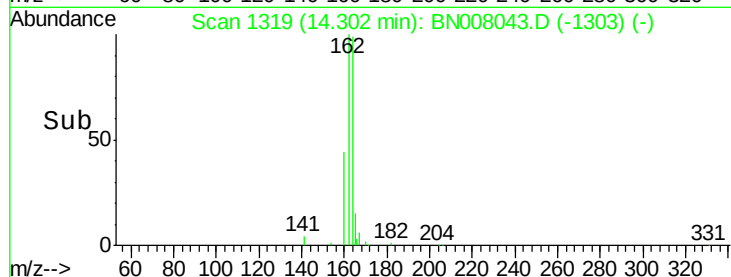
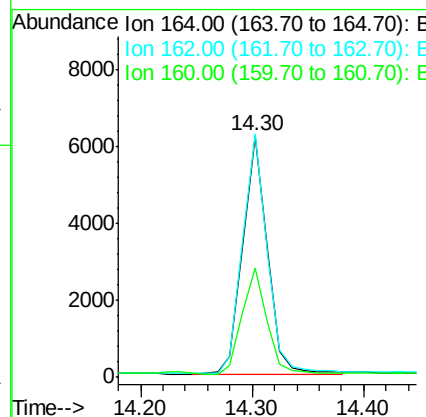
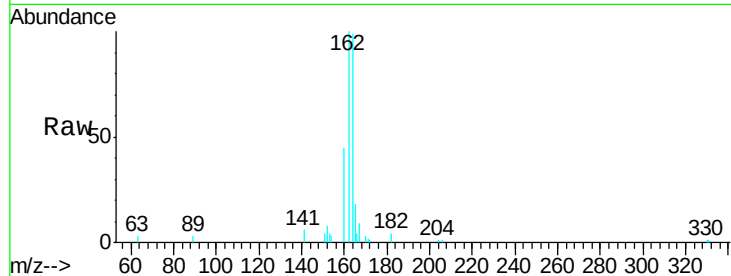
ClientSampleId :

PST-024-B281-092519

Tgt Ion:	164	Resp:	9435
Ion Ratio	Lower	Upper	
164	100		
162	101.0	81.7	122.5
160	45.5	37.0	55.4

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#14

2,4,6-Tribromophenol

Concen: 0.223 ng

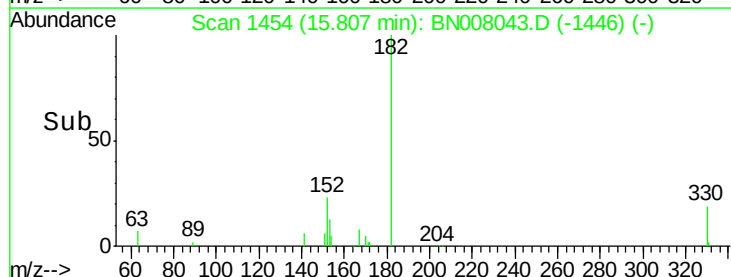
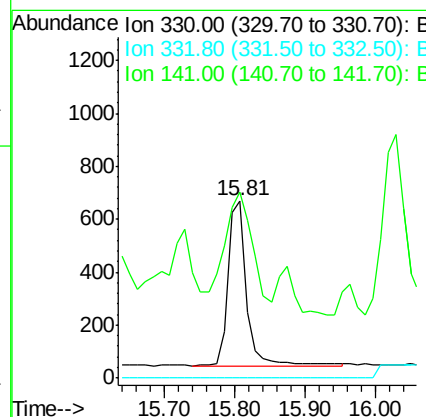
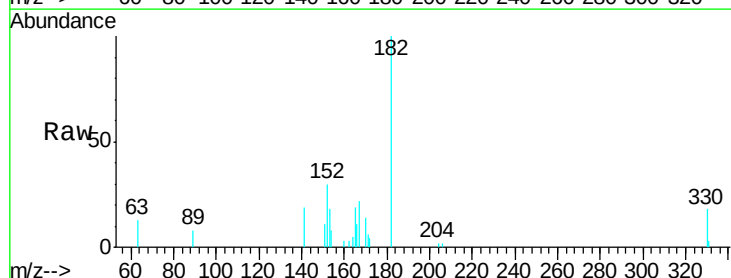
RT: 15.81 min Scan# 1454

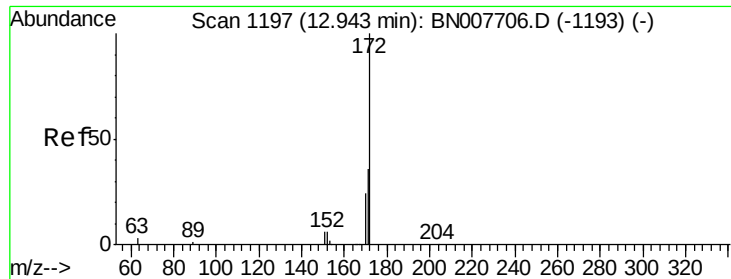
Delta R.T. -0.01 min

Lab File: BN008043.D

Acq: 06 Oct 2019 03:49

Tgt Ion:	330	Resp:	1145
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	98.6	28.7	43.1#





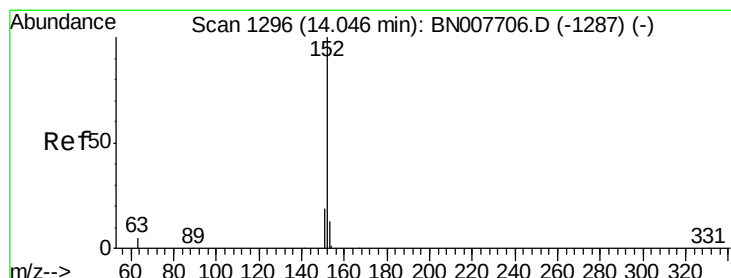
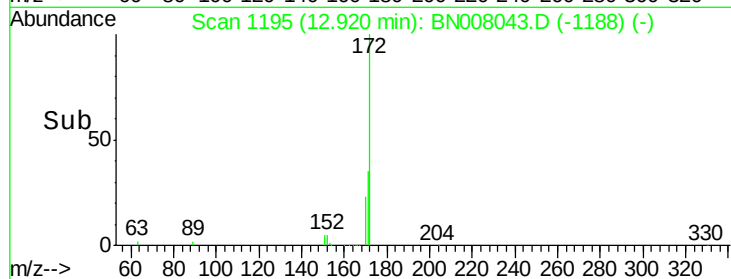
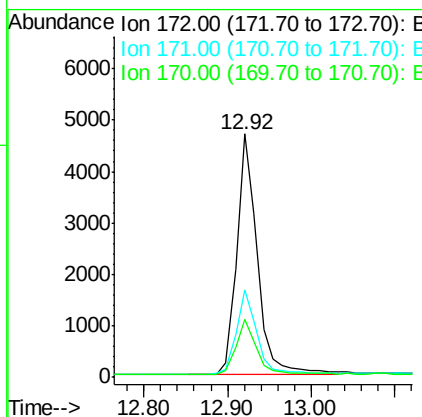
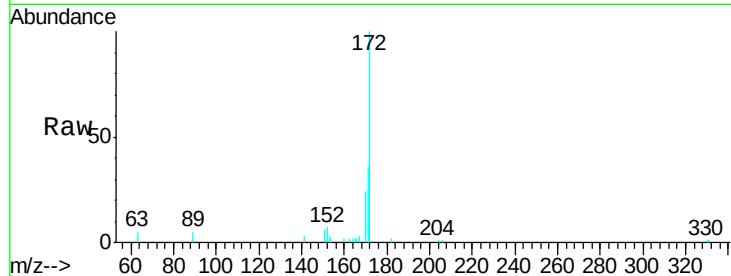
#15
2-Fluorobiphenyl
Concen: 0.204 ng
RT: 12.92 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BN008043.D
Acq: 06 Oct 2019 03:49

Instrument :
BNA_N
ClientSampleId :
PST-024-B281-092519

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.8	43.2
170	24.0	19.5	29.3

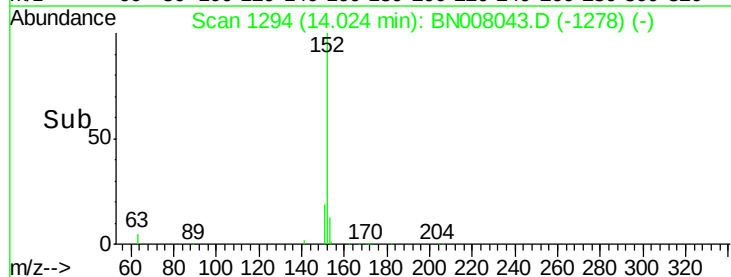
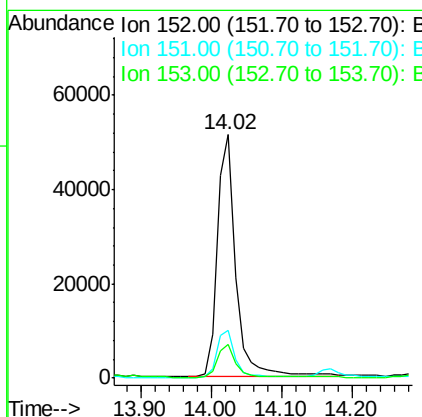
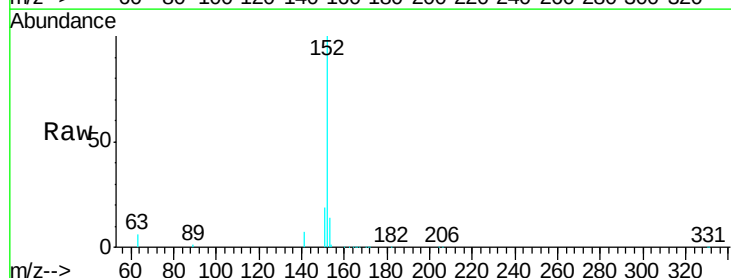
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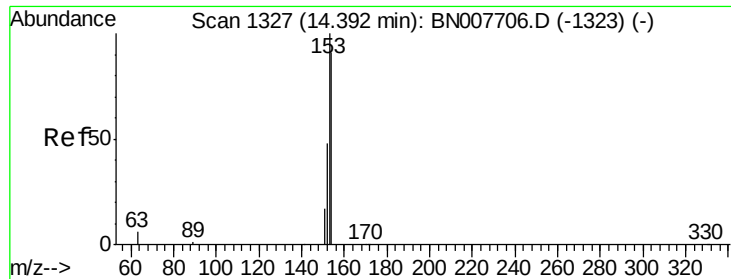
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#16
Acenaphthylene
Concen: 1.925 ng
RT: 14.02 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BN008043.D
Acq: 06 Oct 2019 03:49

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.5	23.3
153	13.5	10.4	15.6





#17

Acenaphthene

Concen: 0.254 ng

RT: 14.37 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BN008043.D

Acq: 06 Oct 2019 03:49

Instrument :

BNA_N

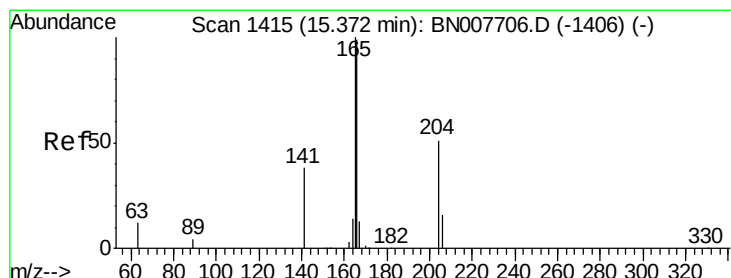
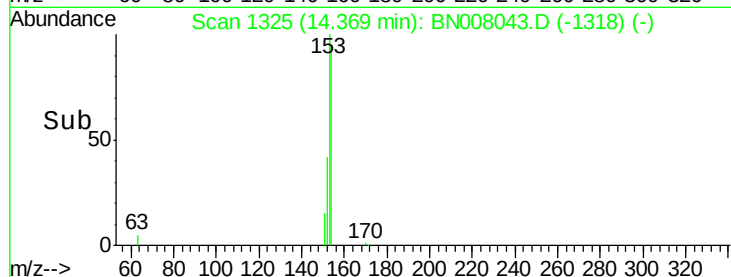
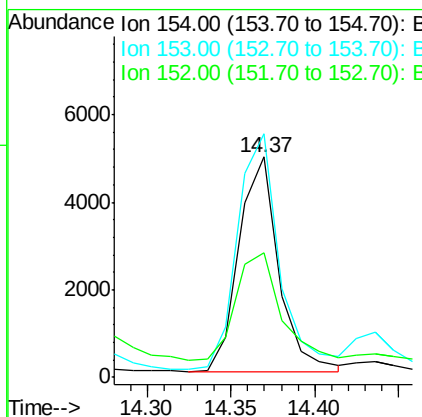
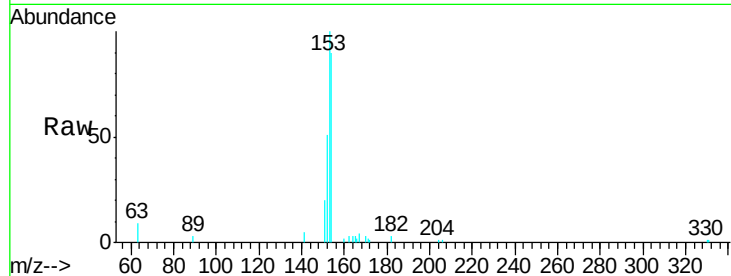
ClientSampleId :

PST-024-B281-092519

Tgt Ion:	154	Resp:	8193
Ion Ratio	Lower	Upper	
154	100		
153	114.5	87.0	130.4
152	56.2	42.7	64.1

Manual Integrations
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#18

Fluorene

Concen: 0.602 ng

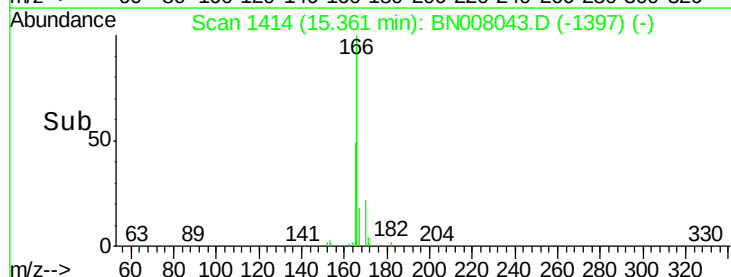
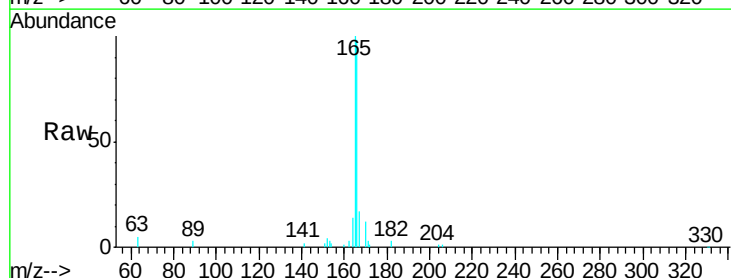
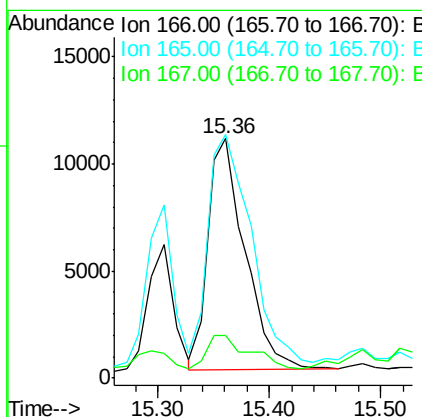
RT: 15.36 min Scan# 1414

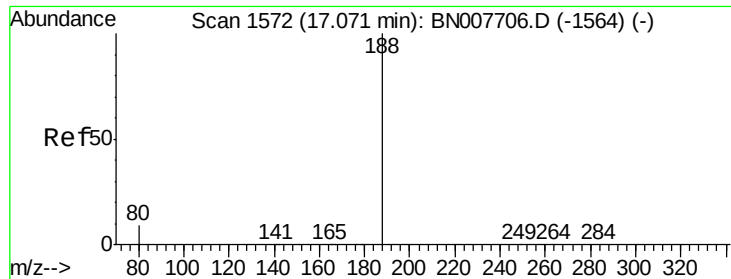
Delta R.T. -0.01 min

Lab File: BN008043.D

Acq: 06 Oct 2019 03:49

Tgt Ion:	166	Resp:	24885
Ion Ratio	Lower	Upper	
166	100		
165	112.8	78.0	117.0
167	16.9	10.9	16.3#





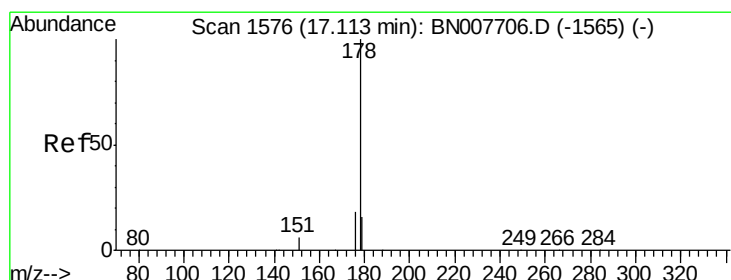
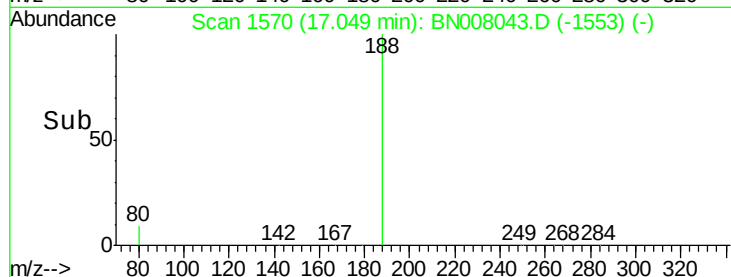
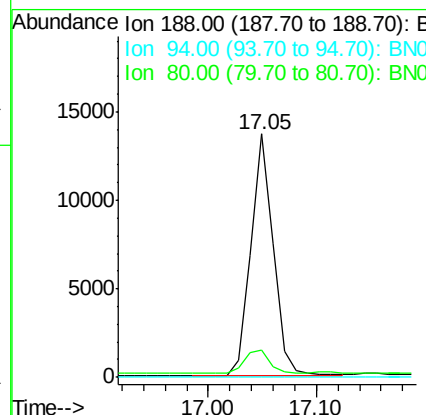
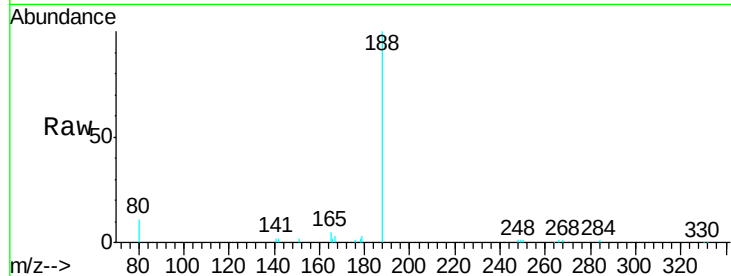
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BN008043.D
Acq: 06 Oct 2019 03:49

Instrument :
BNA_N
ClientSampleId :
PST-024-B281-092519

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	0.0	0.0	0.0
80	11.0	7.4	11.2

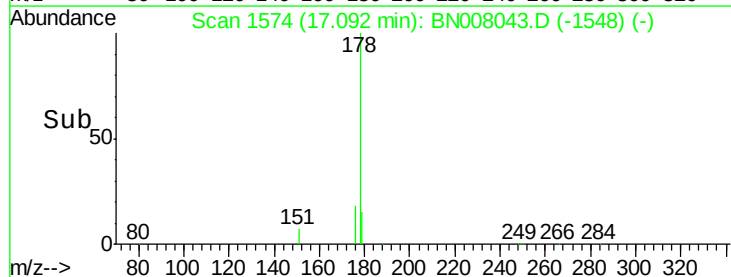
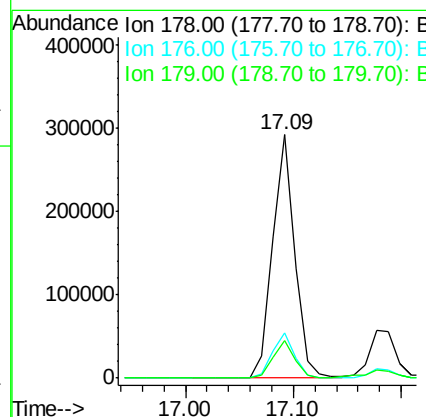
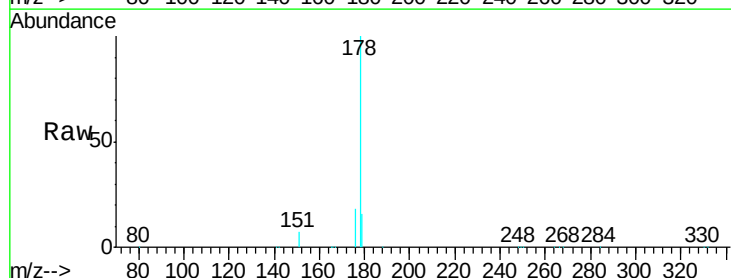
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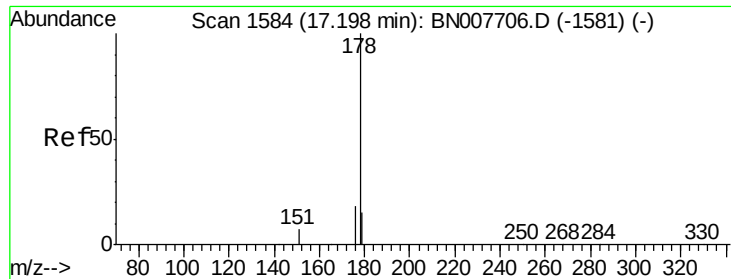
mohammad
10/7/2019 4:40:22 PM



#23
Phenanthrene
Concen: 6.792 ng
RT: 17.09 min Scan# 1574
Delta R.T. -0.02 min
Lab File: BN008043.D
Acq: 06 Oct 2019 03:49

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.5	14.9	22.3
179	15.6	12.5	18.7





#24

Anthracene

Concen: 1.651 ng

RT: 17.18 min Scan# 1582

Delta R.T. -0.02 min

Lab File: BN008043.D

Acq: 06 Oct 2019 03:49

Instrument :

BNA_N

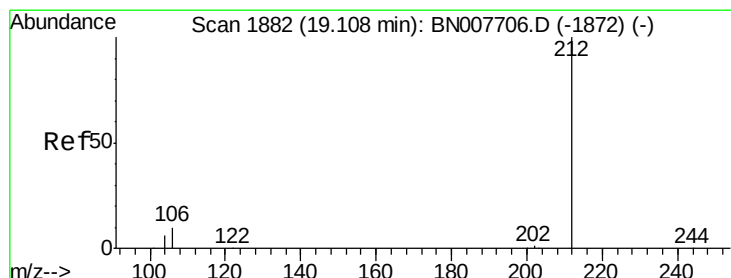
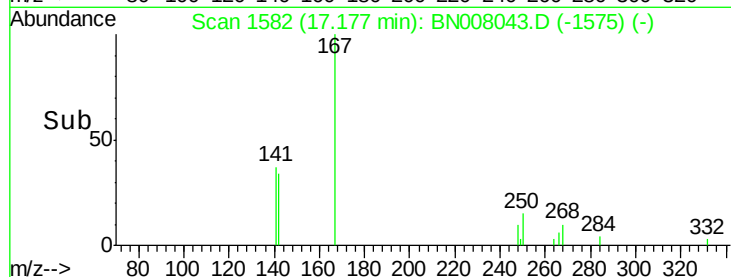
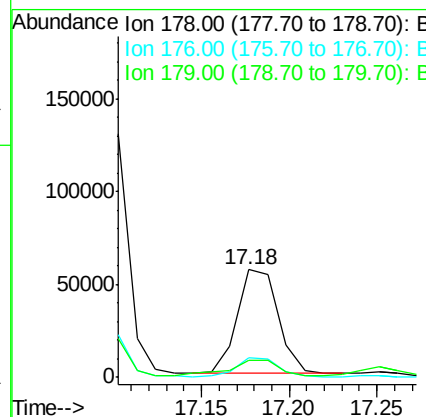
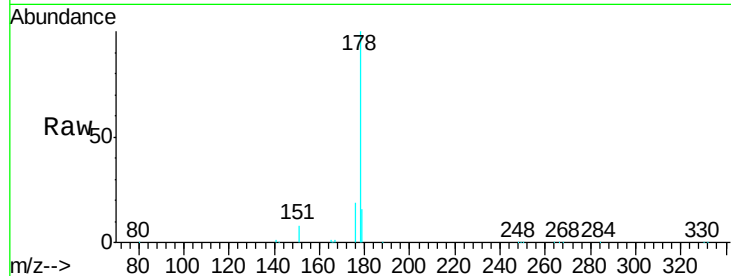
ClientSampleId :

PST-024-B281-092519

Tgt Ion:	178	Resp:	90955
Ion Ratio	Lower	Upper	
178	100		
176	18.0	14.6	21.8
179	17.7	12.2	18.4

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#25

Fluoranthene-d10

Concen: 0.224 ng

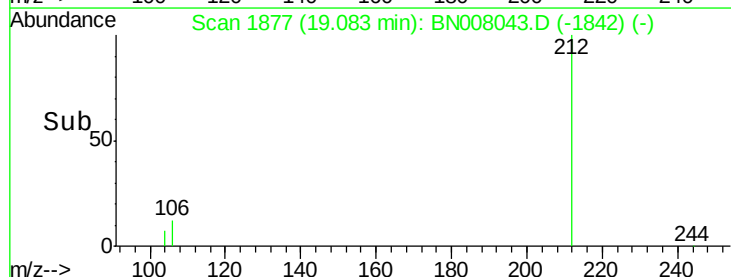
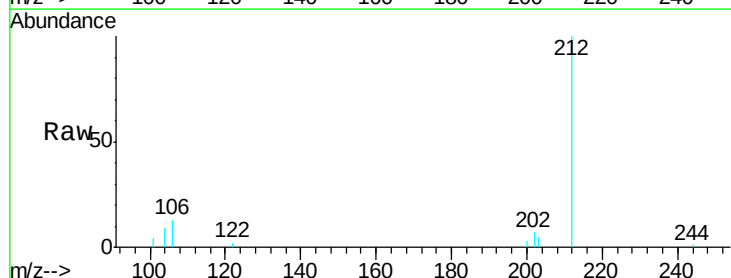
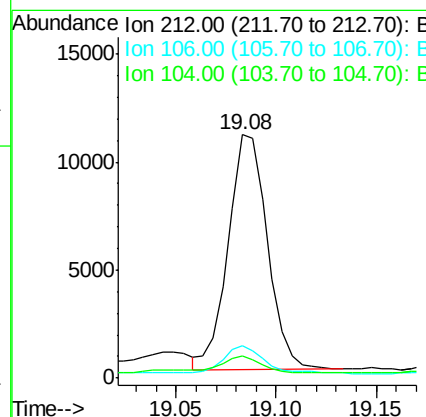
RT: 19.08 min Scan# 1877

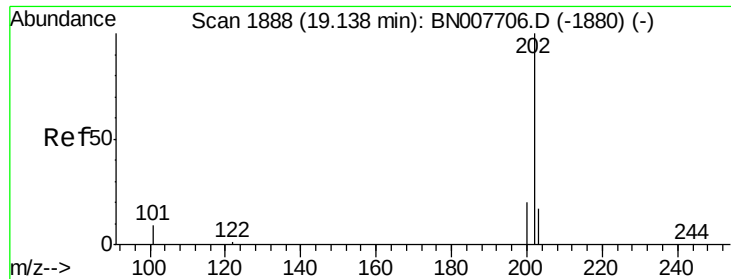
Delta R.T. -0.02 min

Lab File: BN008043.D

Acq: 06 Oct 2019 03:49

Tgt Ion:	212	Resp:	14815
Ion Ratio	Lower	Upper	
212	100		
106	12.2	9.4	14.0
104	7.4	5.3	7.9





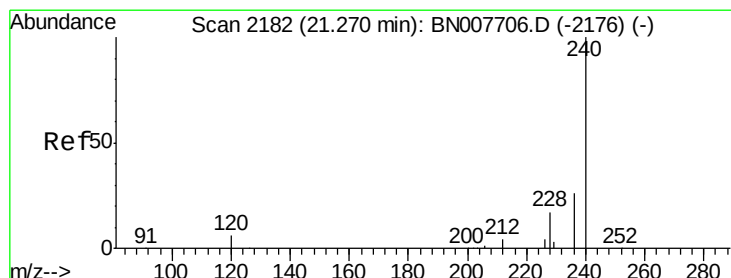
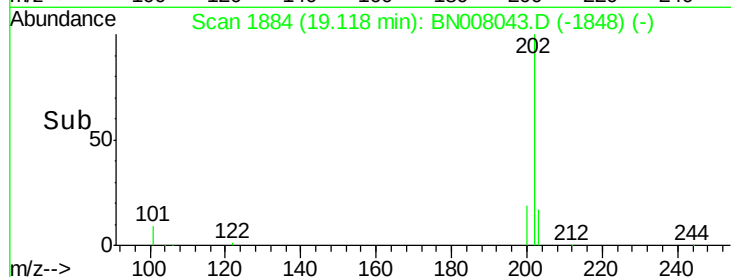
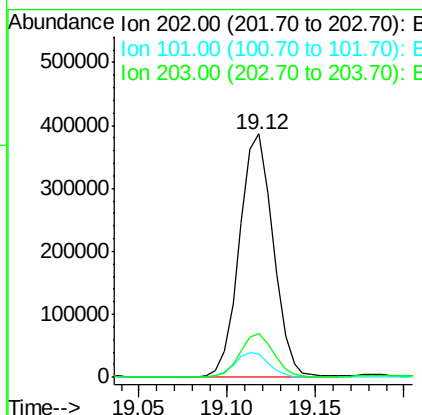
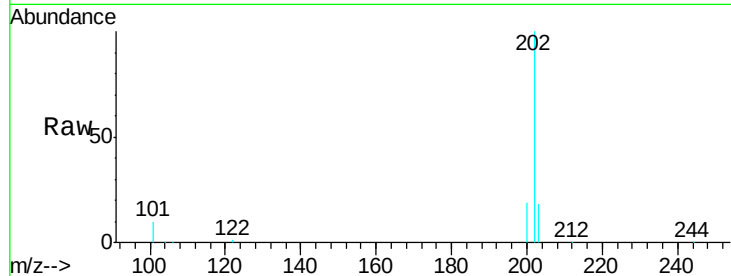
#26
Fluoranthene
 Concen: 6.746 ng
 RT: 19.12 min Scan# 1884
 Delta R.T. -0.02 min
 Lab File: BN008043.D
 Acq: 06 Oct 2019 03:49

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B281-092519

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	10.3	8.4	12.6
203	17.9	13.8	20.8

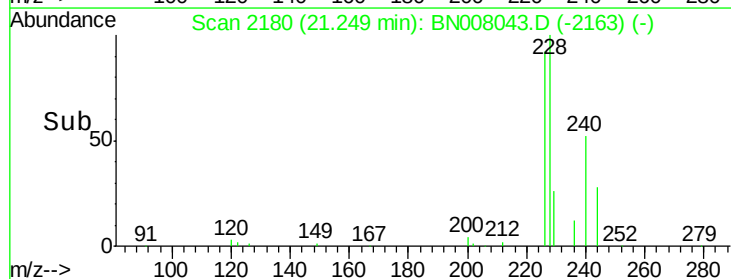
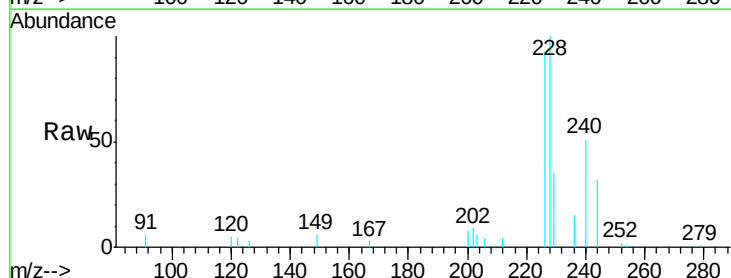
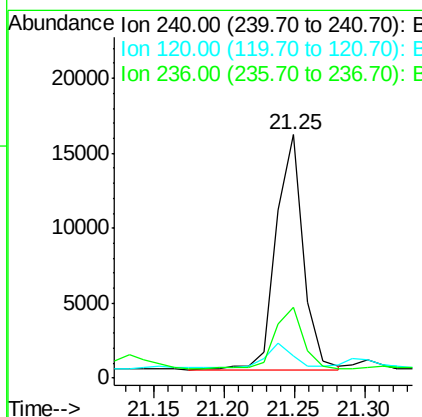
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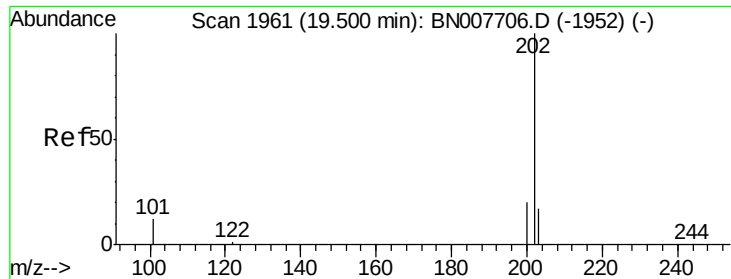
mohammad
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#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.25 min Scan# 2180
 Delta R.T. -0.02 min
 Lab File: BN008043.D
 Acq: 06 Oct 2019 03:49

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	9.2	5.4	8.2#
236	29.0	21.0	31.4





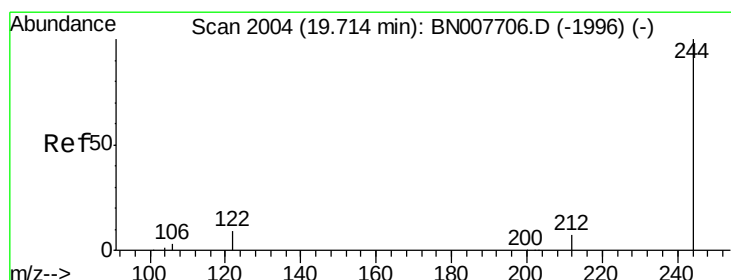
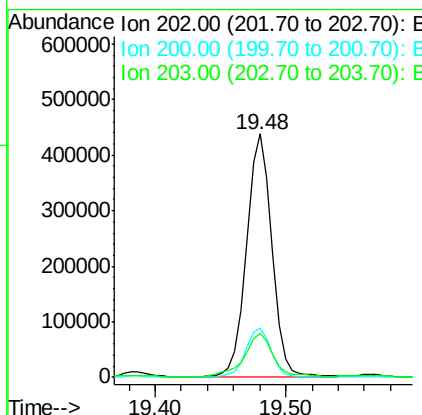
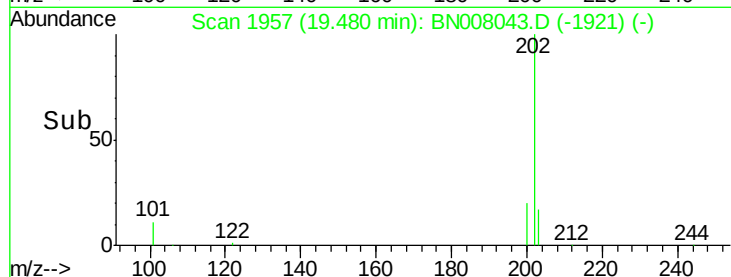
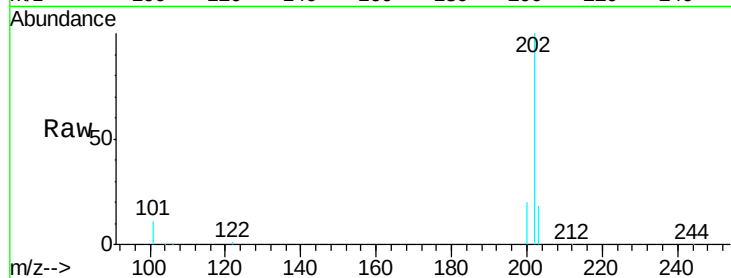
#28
Pyrene
Concen: 8.151 ng
RT: 19.48 min Scan# 1957
Delta R.T. -0.02 min
Lab File: BN008043.D
Acq: 06 Oct 2019 03:49

Instrument :
BNA_N
ClientSampleId :
PST-024-B281-092519

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.3	16.4	24.6	
203	20.5	14.1	21.1	

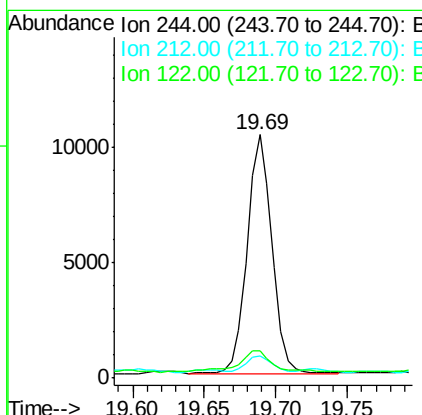
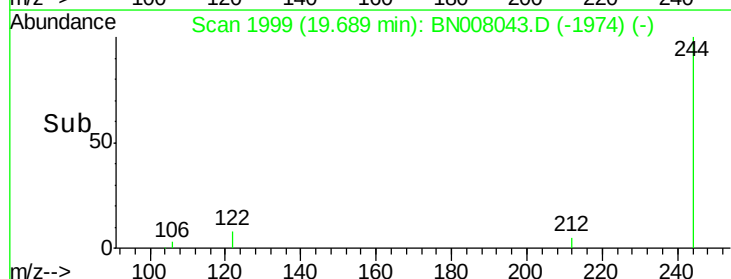
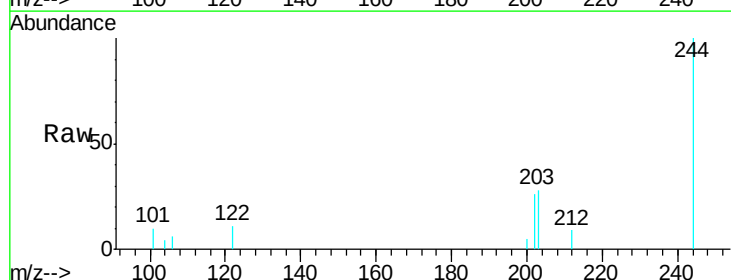
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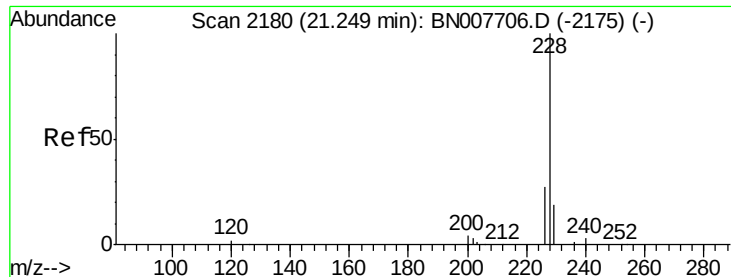
mohammad
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#29
Terphenyl-d14
Concen: 0.237 ng
RT: 19.69 min Scan# 1999
Delta R.T. -0.02 min
Lab File: BN008043.D
Acq: 06 Oct 2019 03:49

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	9.2	5.9	8.9#	
122	11.2	7.4	11.2#	





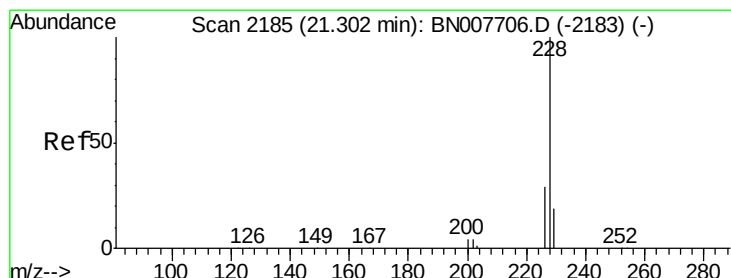
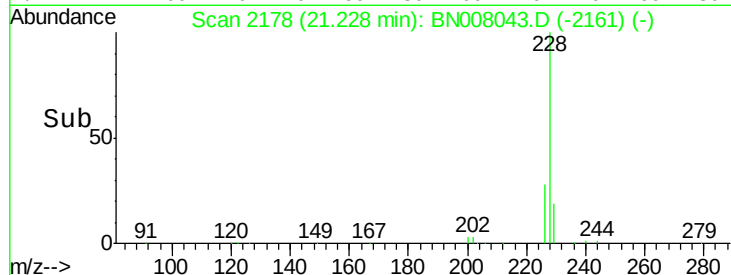
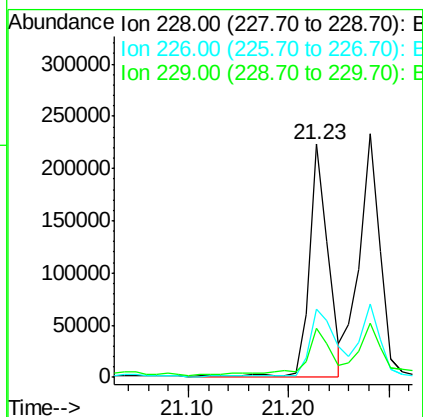
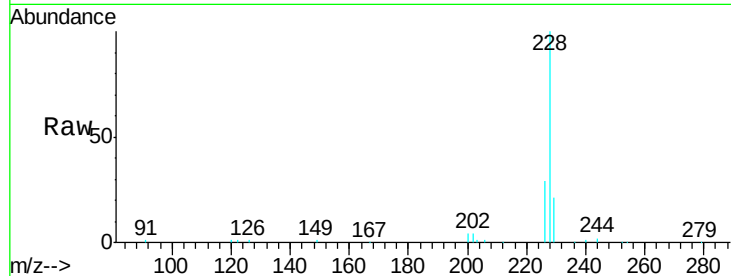
#30
Benzo(a)anthracene
Concen: 3.658 ng
RT: 21.23 min Scan# 2178
Delta R.T. -0.02 min
Lab File: BN008043.D
Acq: 06 Oct 2019 03:49

Instrument :
BNA_N
ClientSampleId :
PST-024-B281-092519

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.1	33.1
229	21.3	15.8	23.6

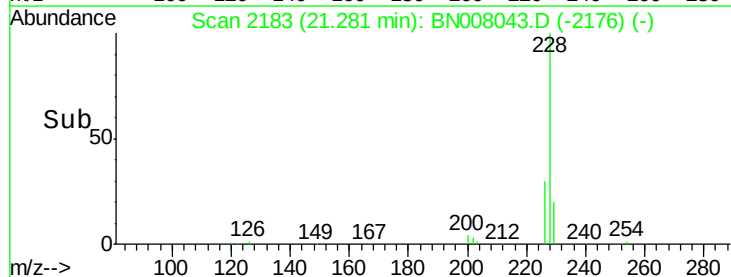
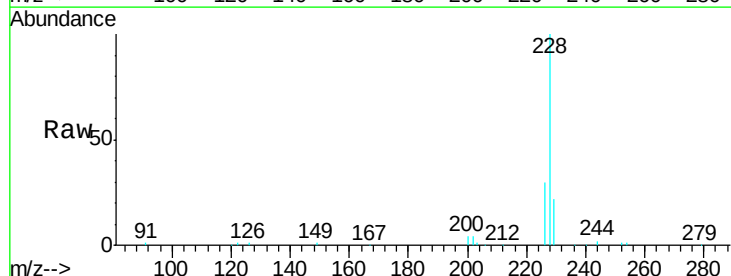
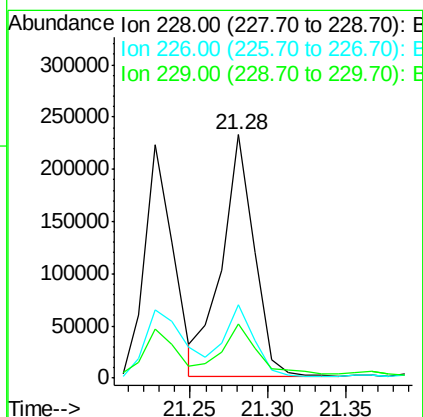
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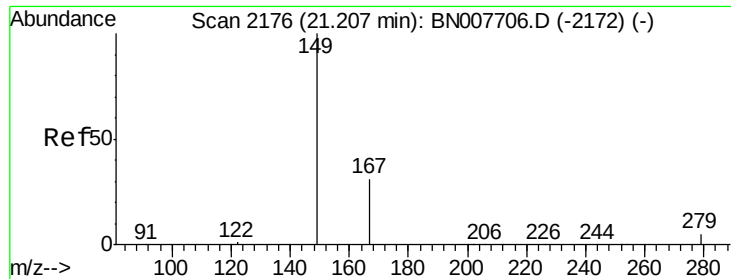
mohammad
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#31
Chrysene
Concen: 4.298 ng
RT: 21.28 min Scan# 2183
Delta R.T. -0.02 min
Lab File: BN008043.D
Acq: 06 Oct 2019 03:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.9	35.9
229	22.1	15.8	23.6





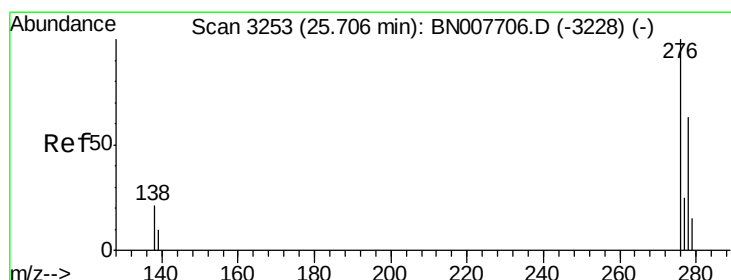
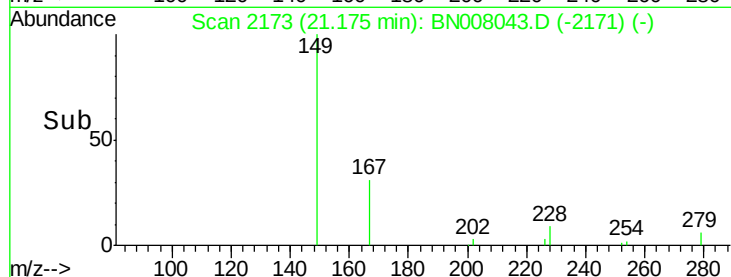
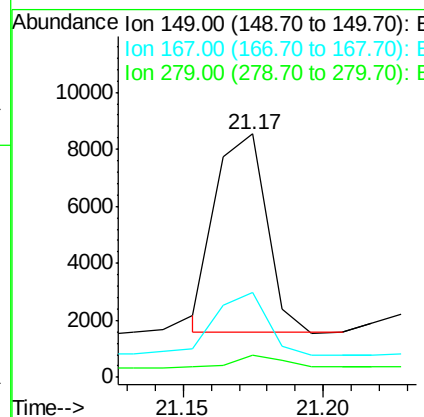
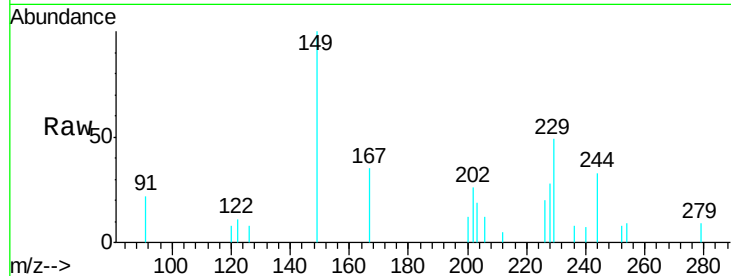
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.219 ng
 RT: 21.17 min Scan# 2173
 Delta R.T. -0.03 min
 Lab File: BN008043.D
 Acq: 06 Oct 2019 03:49

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B281-092519

Tgt Ion	Ratio	Lower	Upper
149	100		
167	30.5	23.7	35.5
279	5.3	4.2	6.2

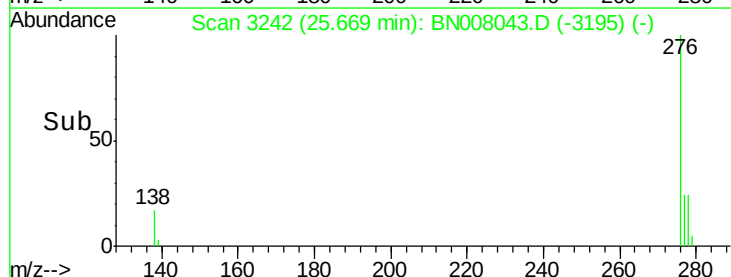
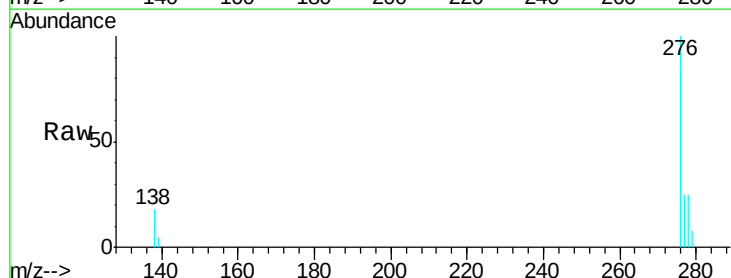
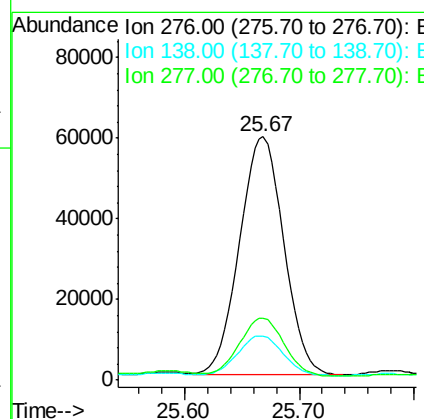
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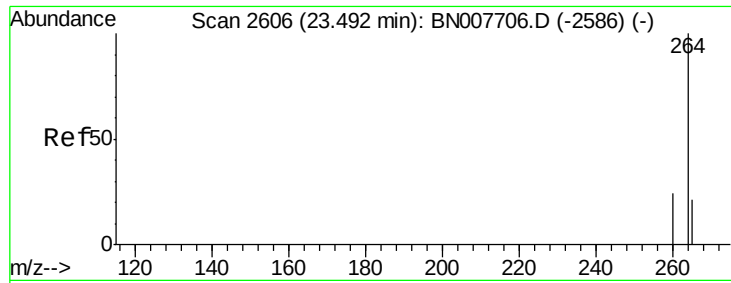
mohammad
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 1.640 ng
 RT: 25.67 min Scan# 3242
 Delta R.T. -0.04 min
 Lab File: BN008043.D
 Acq: 06 Oct 2019 03:49

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.9	17.1	25.7#
277	24.9	20.0	30.0





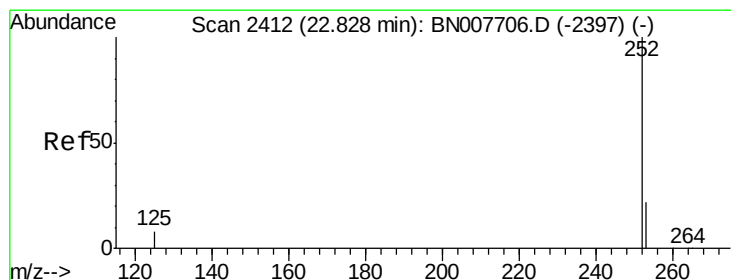
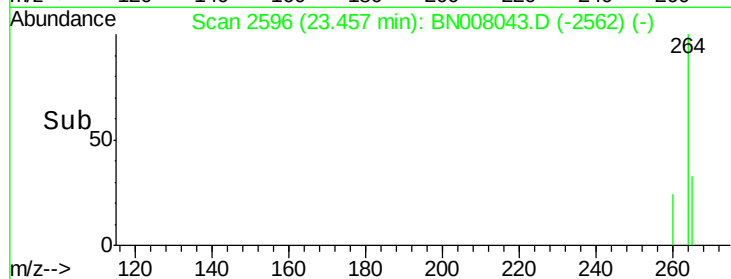
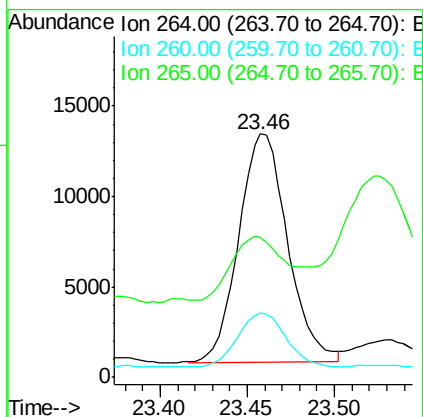
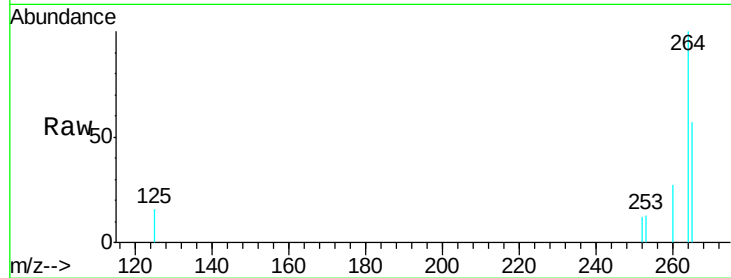
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.46 min Scan# 2596
 Delta R.T. -0.03 min
 Lab File: BN008043.D
 Acq: 06 Oct 2019 03:49

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B281-092519

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.7	19.3	28.9
265	57.4	26.9	40.3

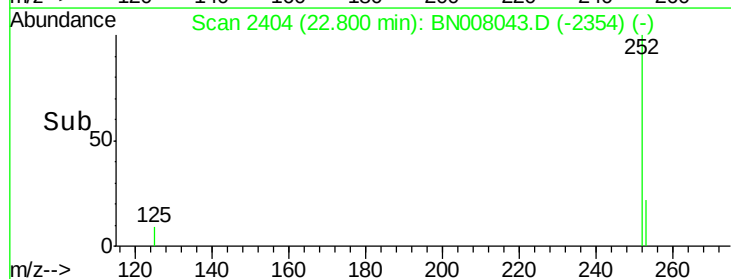
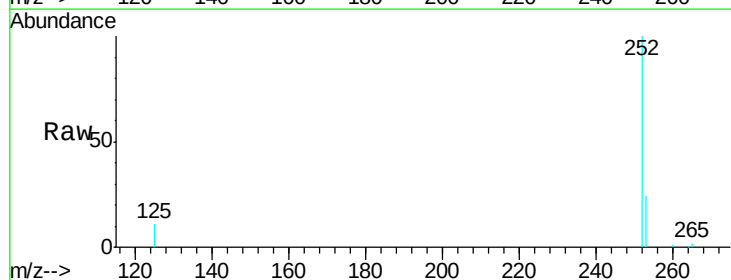
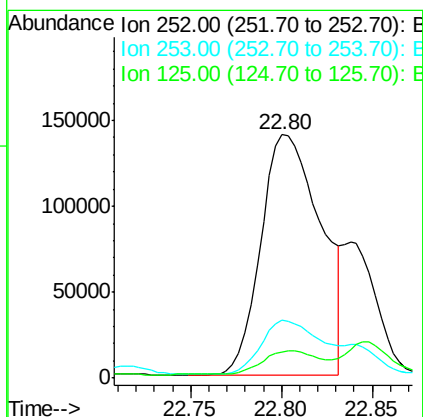
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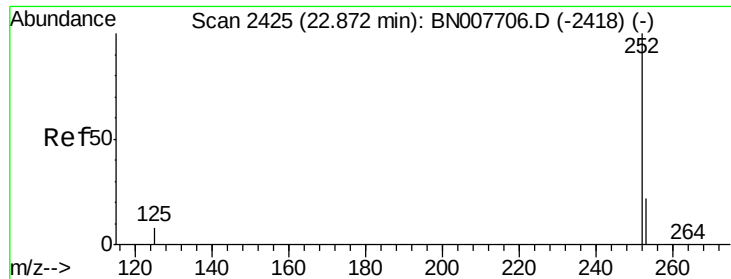
mohammad
 10/7/2019 4:40:22 PM



#35
Benzo(b)fluoranthene
 Concen: 3.731 ng
 RT: 22.80 min Scan# 2404
 Delta R.T. -0.03 min
 Lab File: BN008043.D
 Acq: 06 Oct 2019 03:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.3	27.5
125	10.8	8.2	12.4





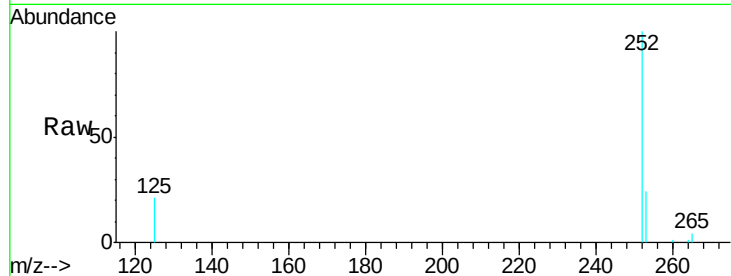
#36
Benzo(k)fluoranthene
Concen: 1.191 ng m
RT: 22.84 min Scan# 2415
Delta R.T. -0.03 min
Lab File: BN008043.D
Acq: 06 Oct 2019 03:49

Instrument :
BNA_N
ClientSampleId :
PST-024-B281-092519

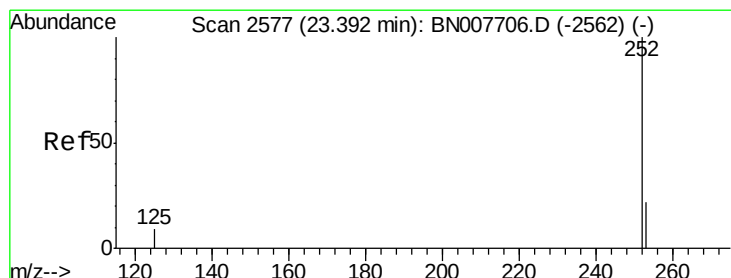
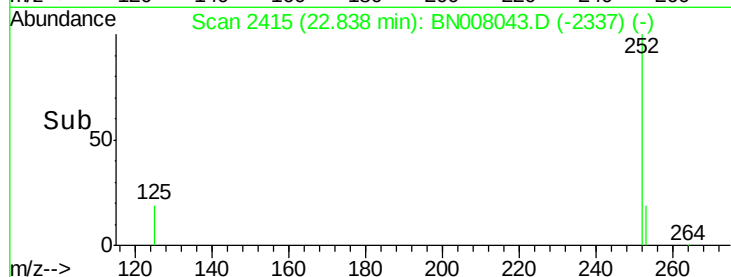
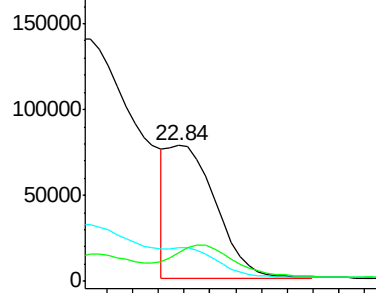
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.5	27.7
125	21.0	8.4	12.6

Manual Integrations
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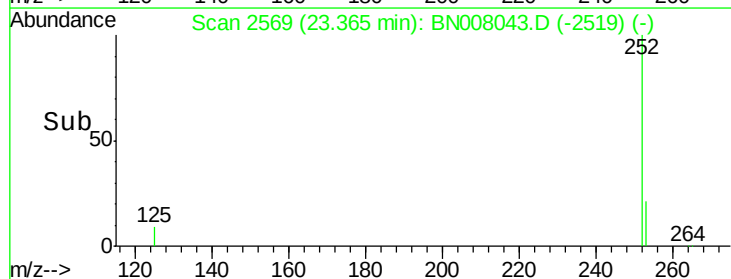
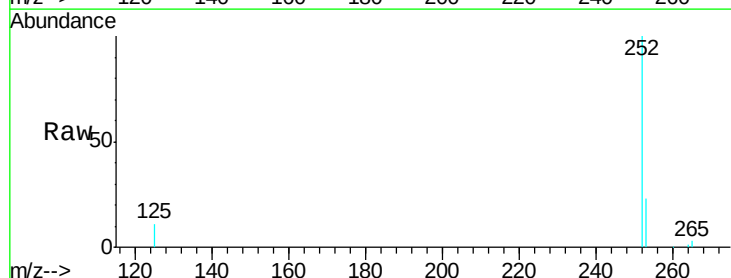
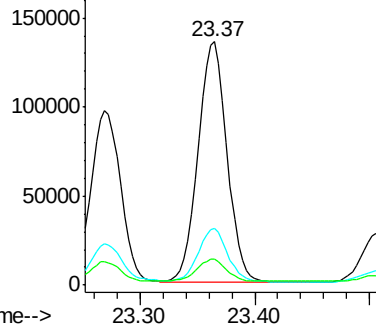
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

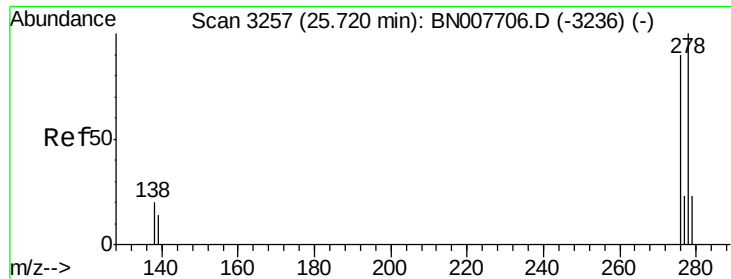


#37
Benzo(a)pyrene
Concen: 2.957 ng
RT: 23.37 min Scan# 2569
Delta R.T. -0.03 min
Lab File: BN008043.D
Acq: 06 Oct 2019 03:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.6	27.8
125	10.6	9.4	14.0

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





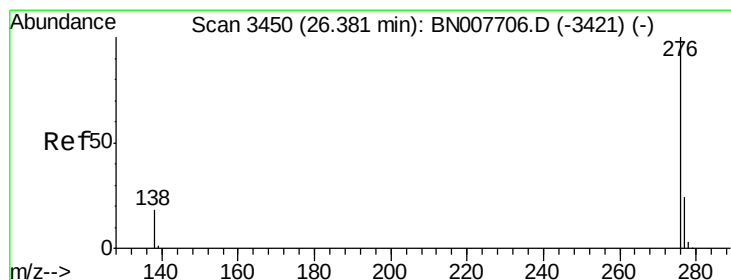
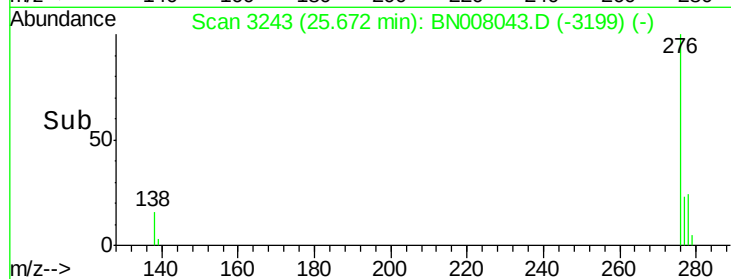
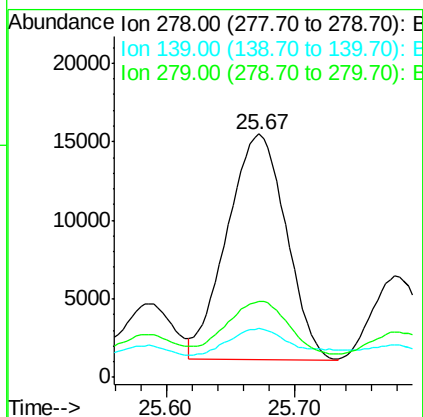
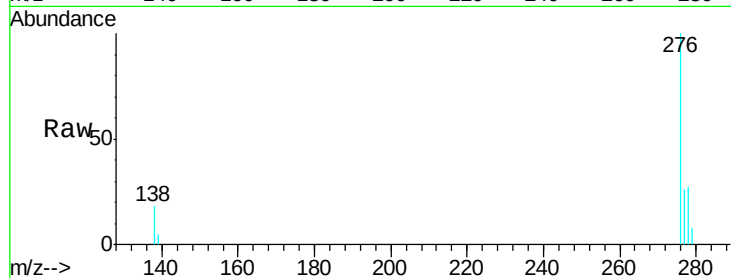
#38
Dibenzo(a,h)anthracene
Concen: 0.555 ng
RT: 25.67 min Scan# 3243
Delta R.T. -0.05 min
Lab File: BN008043.D
Acq: 06 Oct 2019 03:49

Instrument :
BNA_N
ClientSampleId :
PST-024-B281-092519

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.2	11.8	17.6#
279	31.3	19.4	29.2#

Manual Integrations
APPROVED

mohammad
10/7/2019 4:40:22 PM



#39
Benzo(g,h,i)perylene
Concen: 1.996 ng
RT: 26.34 min Scan# 3439
Delta R.T. -0.04 min
Lab File: BN008043.D
Acq: 06 Oct 2019 03:49

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.8	29.8
138	18.5	15.1	22.7

