

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100519\
 Data File : BN008044.D
 Acq On : 06 Oct 2019 04:24
 Operator : JU
 Sample : K5078-12
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B282-092619

Manual Integrations
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mohammad
 10/7/2019 4:40:25 PM

Quant Time: Oct 07 07:25:21 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	4218	0.40	ng	-0.02
7) Naphthalene-d8	10.44	136	16931	0.40	ng	-0.03
13) Acenaphthene-d10	14.30	164	10682	0.40	ng	-0.03
19) Phenanthrene-d10	17.05	188	21484	0.40	ng	-0.03
27) Chrysene-d12	21.25	240	23309	0.40	ng	-0.02
34) Perylene-d12	23.46	264	26489	0.40	ng	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.30	112	3386	0.23	ng	-0.02
5) Phenol-d6	6.87	99	4219	0.23	ng	0.00
8) Nitrobenzene-d5	8.81	82	3792	0.26	ng	-0.03
11) 2-Methylnaphthalene-d10	12.04	152	7812	0.27	ng	-0.03
14) 2,4,6-Tribromophenol	15.80	330	1514	0.26	ng	-0.02
15) 2-Fluorobiphenyl	12.93	172	10562	0.24	ng	-0.02
25) Fluoranthene-d10	19.09	212	18873	0.26	ng	-0.02
29) Terphenyl-d14	19.69	244	15904	0.28	ng	-0.03
Target Compounds						Qvalue
9) Naphthalene	10.49	128	6068	0.128	ng	# 92
12) 2-Methylnaphthalene	12.11	142	5848	0.182	ng	97
16) Acenaphthylene	14.02	152	70507	1.245	ng	100
17) Acenaphthene	14.36	154	3588	0.098	ng	99
18) Fluorene	15.36	166	10009	0.214	ng	# 12
22) Pentachlorophenol	16.72	266	182	0.035	ng	# 79
23) Phenanthrene	17.09	178	141974	2.121	ng	100
24) Anthracene	17.18	178	52678	0.871	ng	99
26) Fluoranthene	19.11	202	270950	3.256	ng	99
28) Pyrene	19.48	202	310241	3.903	ng	97
30) Benzo(a)anthracene	21.23	228	147153	1.714	ng	92
31) Chrysene	21.28	228	187785	2.245	ng	97
32) Bis(2-ethylhexyl)phthalate	21.17	149	31697m	0.718	ng	
33) Indeno(1,2,3-cd)pyrene	25.67	276	115197	1.100	ng	96
35) Benzo(b)fluoranthene	22.80	252	219278	2.384	ng	# 94
36) Benzo(k)fluoranthene	22.84	252	71153m	0.782	ng	
37) Benzo(a)pyrene	23.36	252	148903	1.723	ng	# 96
38) Dibenzo(a,h)anthracene	25.67	278	33589	0.380	ng	# 75
39) Benzo(g,h,i)perylene	26.34	276	125038	1.429	ng	98

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

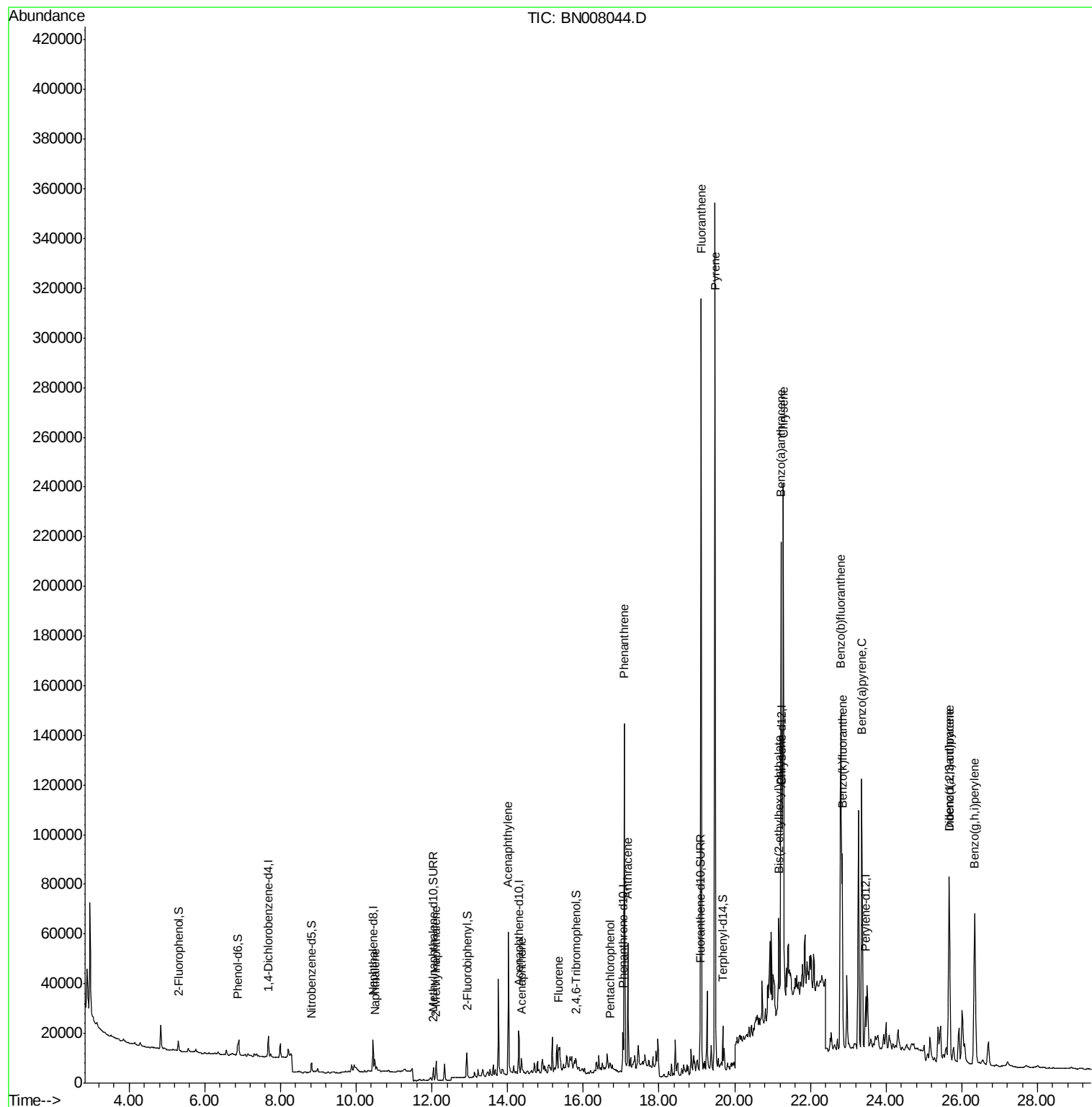
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100519\
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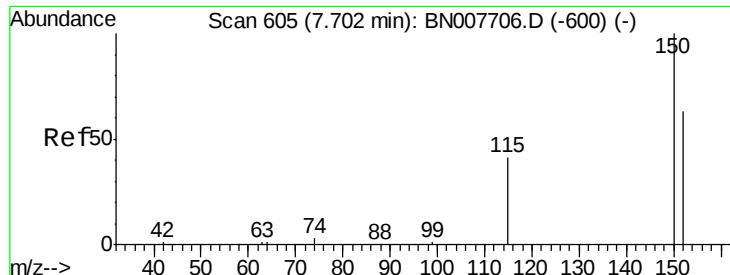
Instrument :
BNA_N
ClientSampleId :
PST-024-B282-092619

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Quant Time: Oct 07 07:25:21 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN091819.M
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QLast Update : Thu Oct 03 18:39:49 2019
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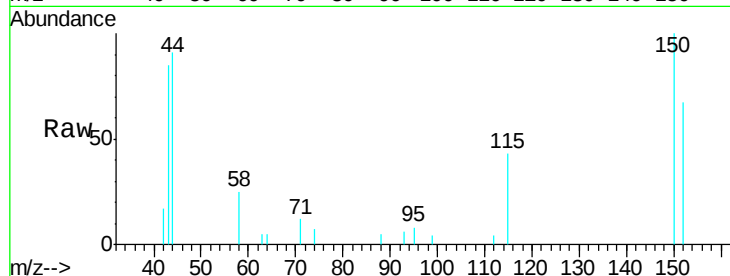




#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.68 min Scan# 602
Delta R.T. -0.02 min
Lab File: BN008044.D
Acq: 06 Oct 2019 04:24

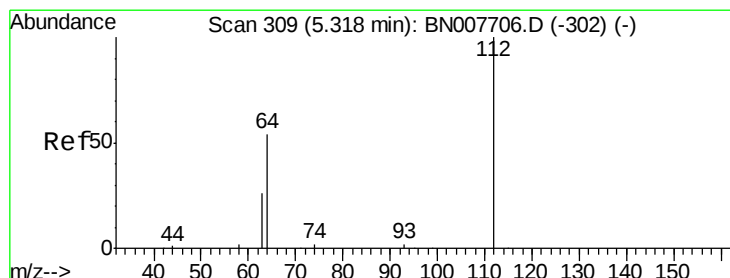
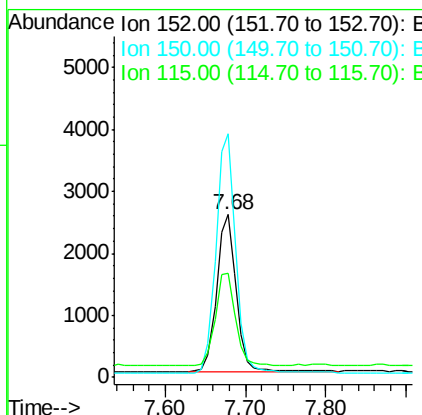
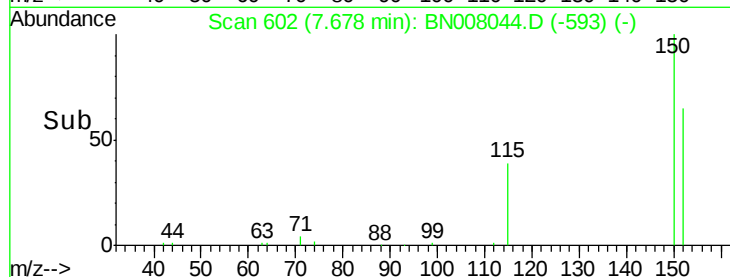
Instrument :
BNA_N
ClientSampleId :
PST-024-B282-092619



Tgt Ion	Ratio	Lower	Upper
152	100		
150	149.6	125.6	188.4
115	64.1	53.3	79.9

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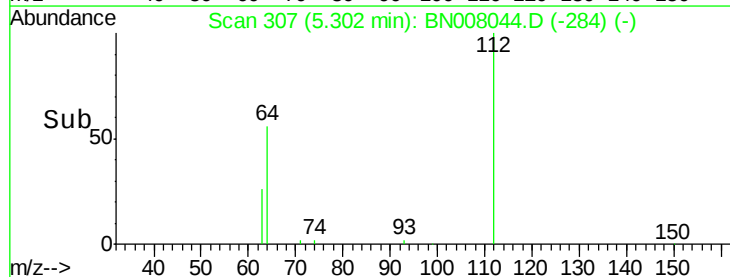
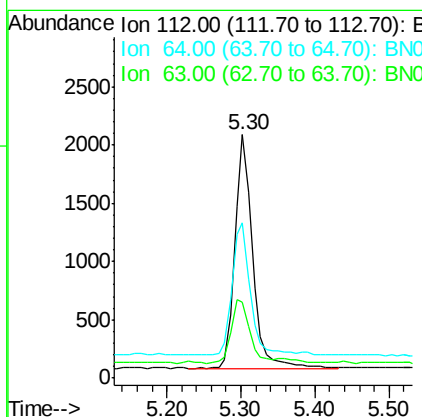
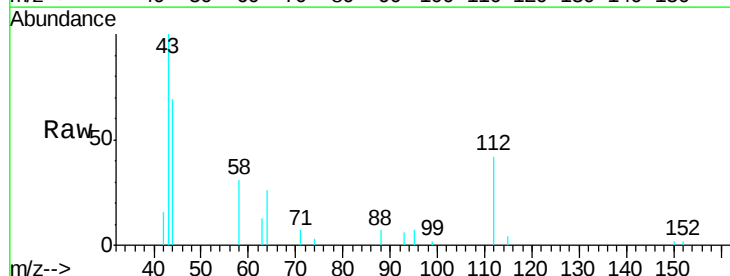
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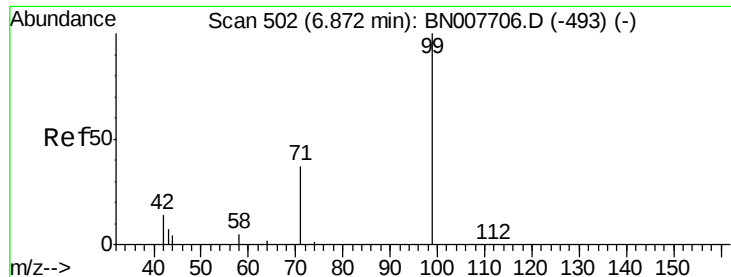


#4

2-Fluorophenol
Concen: 0.233 ng
RT: 5.30 min Scan# 307
Delta R.T. -0.02 min
Lab File: BN008044.D
Acq: 06 Oct 2019 04:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	46.6	70.0
63	28.0	23.1	34.7





#5

Phenol-d6

Concen: 0.230 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN008044.D

Acq: 06 Oct 2019 04:24

Instrument :

BNA_N

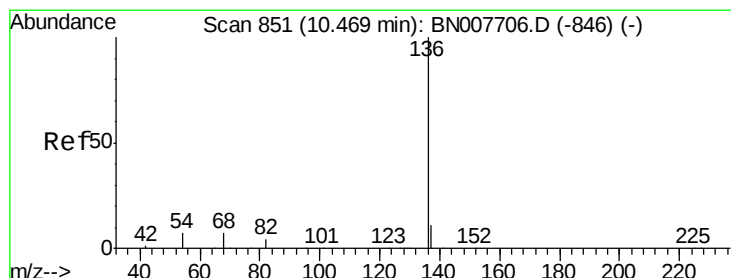
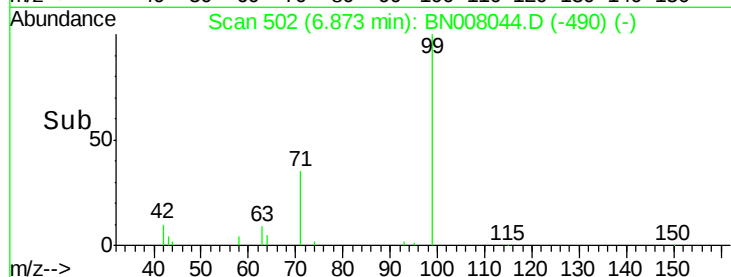
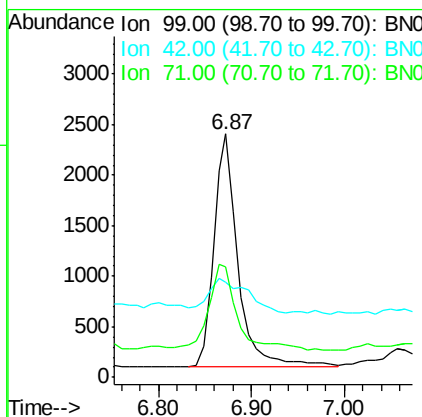
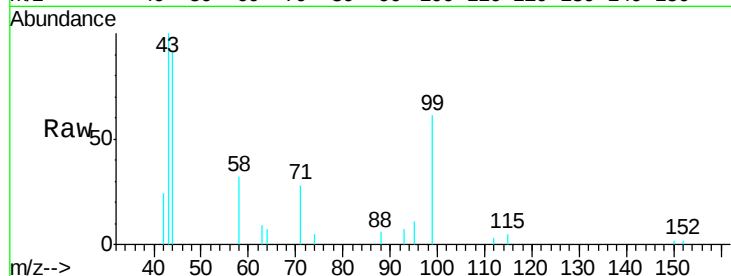
ClientSampleId :

PST-024-B282-092619

Tgt Ion:	99	Resp:	4219
Ion Ratio	Lower	Upper	
99	100		
42	22.7	12.8	19.2#
71	44.2	27.6	41.4#

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#7

Naphthalene-d8

Concen: 0.400 ng

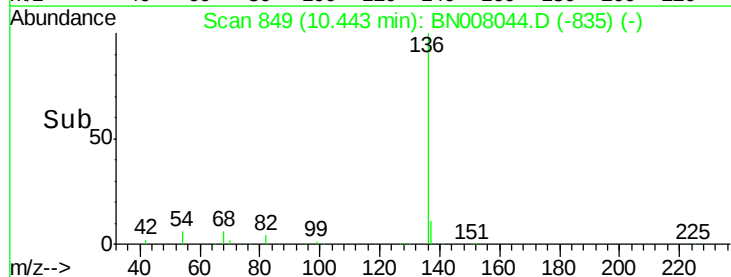
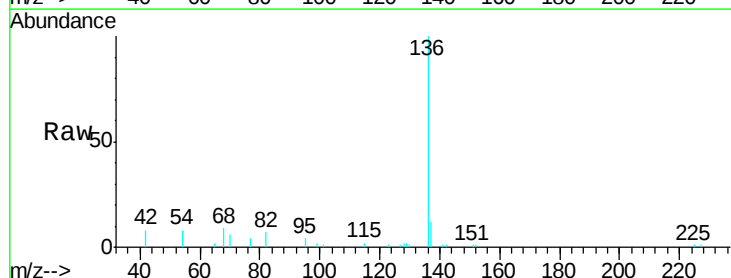
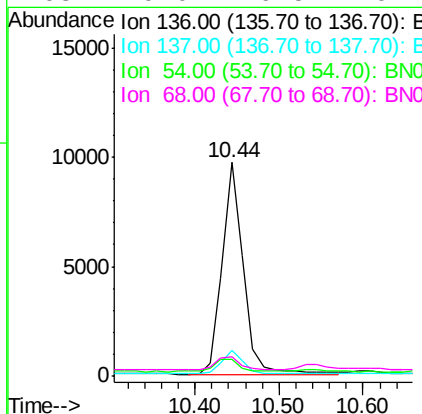
RT: 10.44 min Scan# 849

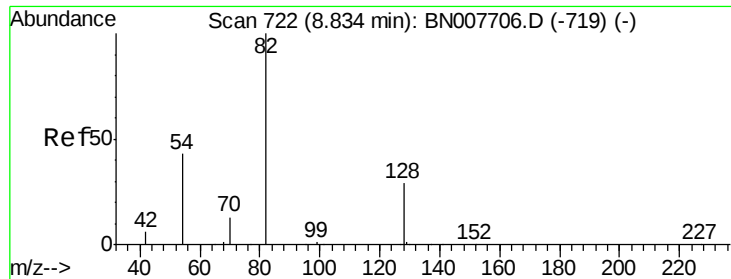
Delta R.T. -0.03 min

Lab File: BN008044.D

Acq: 06 Oct 2019 04:24

Tgt Ion:	136	Resp:	16931
Ion Ratio	Lower	Upper	
136	100		
137	11.9	9.2	13.8
54	7.7	5.8	8.8
68	9.0	6.5	9.7





#8

Nitrobenzene-d5

Concen: 0.256 ng

RT: 8.81 min Scan# 720

Delta R.T. -0.03 min

Lab File: BN008044.D

Acq: 06 Oct 2019 04:24

Instrument :

BNA_N

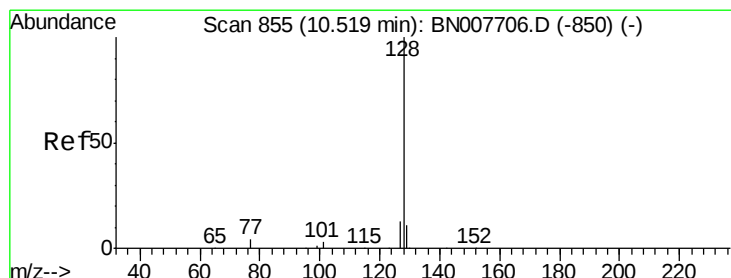
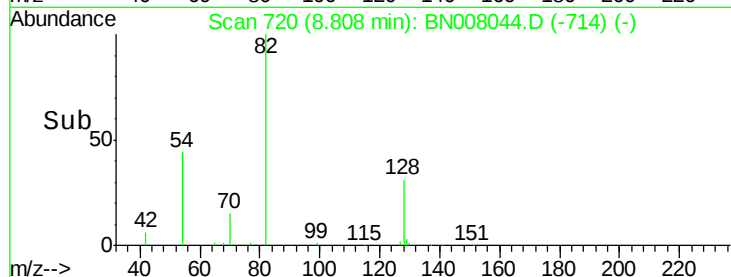
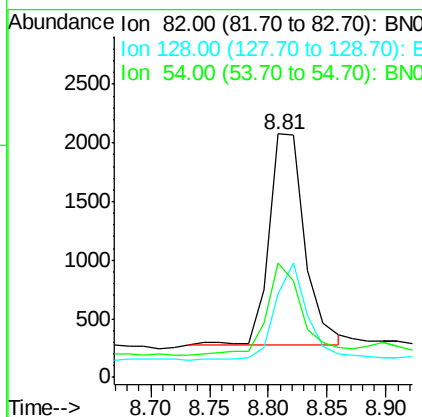
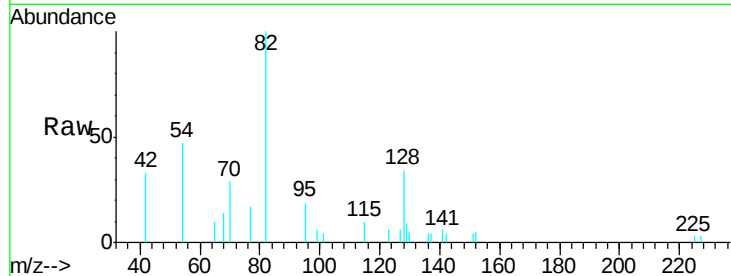
ClientSampleId :

PST-024-B282-092619

Tgt Ion:	82	Resp:	3792
Ion Ratio	Lower	Upper	
82	100		
128	34.3	24.5	36.7
54	47.2	35.2	52.8

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#9

Naphthalene

Concen: 0.128 ng

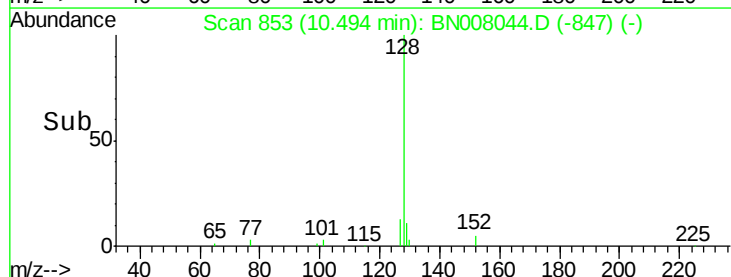
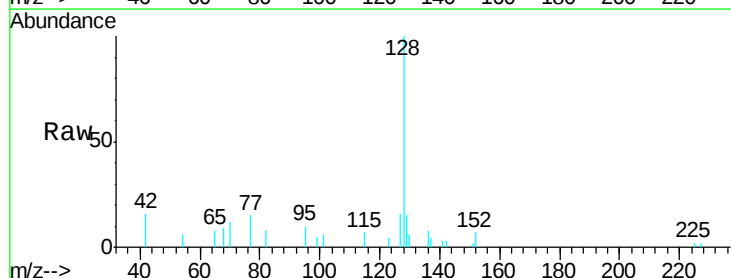
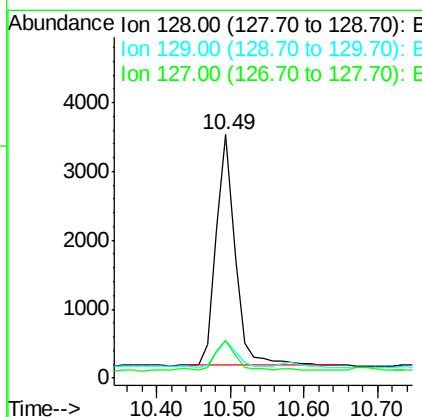
RT: 10.49 min Scan# 853

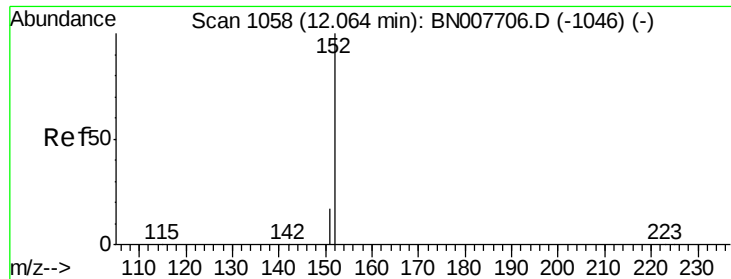
Delta R.T. -0.03 min

Lab File: BN008044.D

Acq: 06 Oct 2019 04:24

Tgt Ion:	128	Resp:	6068
Ion Ratio	Lower	Upper	
128	100		
129	15.3	9.1	13.7#
127	15.6	10.6	15.8





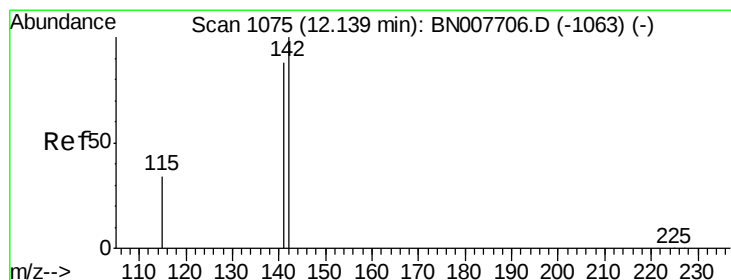
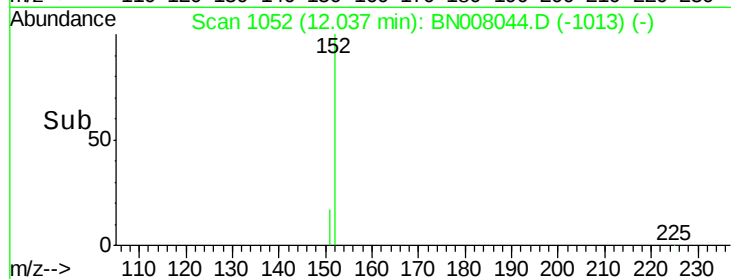
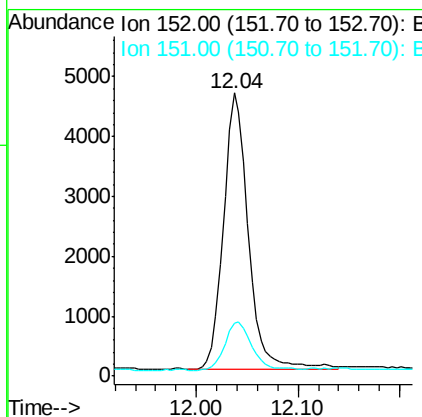
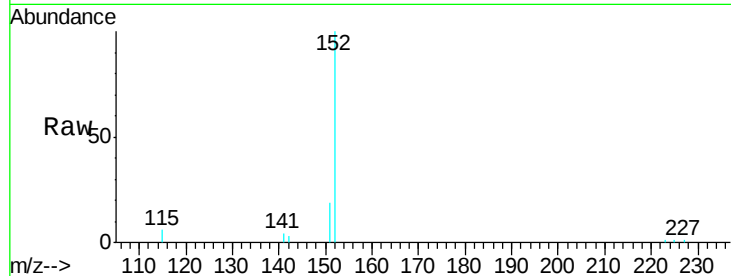
#11
 2-Methylnaphthalene-d10
 Concen: 0.274 ng
 RT: 12.04 min Scan# 1052
 Delta R.T. -0.03 min
 Lab File: BN008044.D
 Acq: 06 Oct 2019 04:24

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B282-092619

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.4	23.2

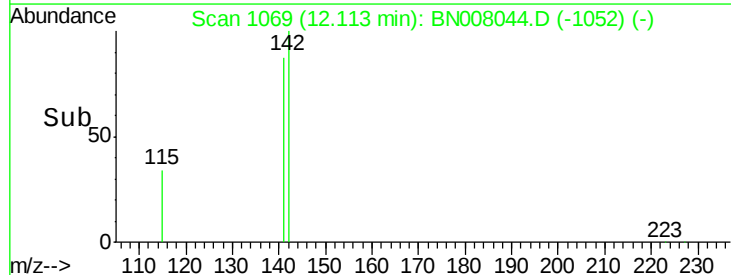
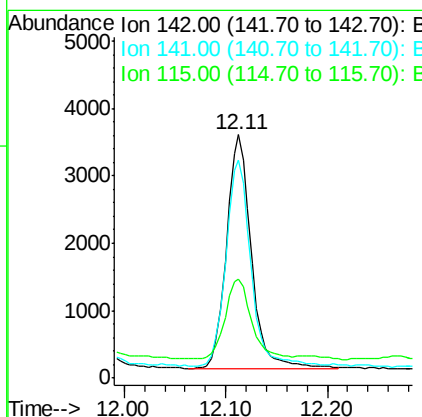
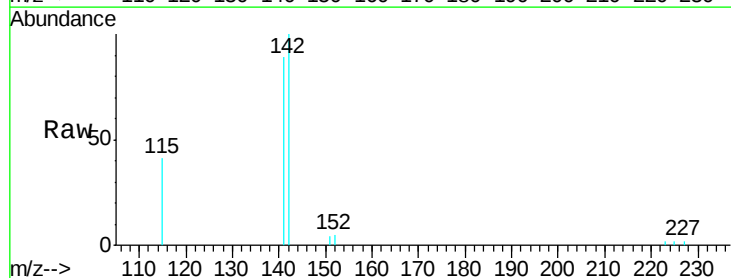
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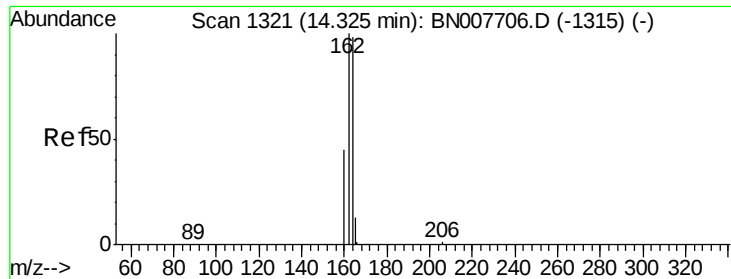
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#12
 2-Methylnaphthalene
 Concen: 0.182 ng
 RT: 12.11 min Scan# 1069
 Delta R.T. -0.03 min
 Lab File: BN008044.D
 Acq: 06 Oct 2019 04:24

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.5	70.6	106.0
115	40.6	28.3	42.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.30 min Scan# 1318

Delta R.T. -0.03 min

Lab File: BN008044.D

Acq: 06 Oct 2019 04:24

Instrument :

BNA_N

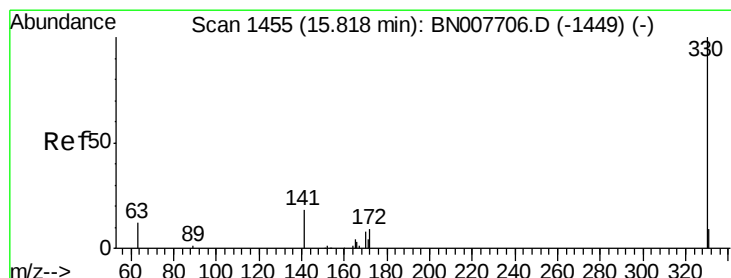
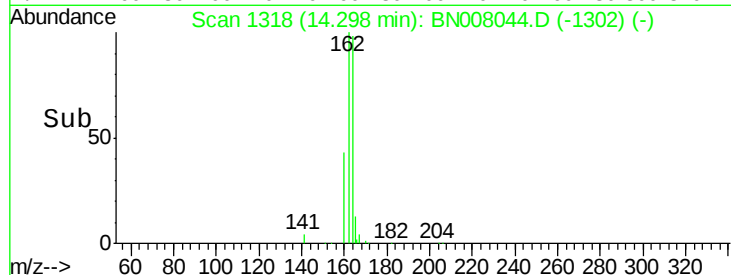
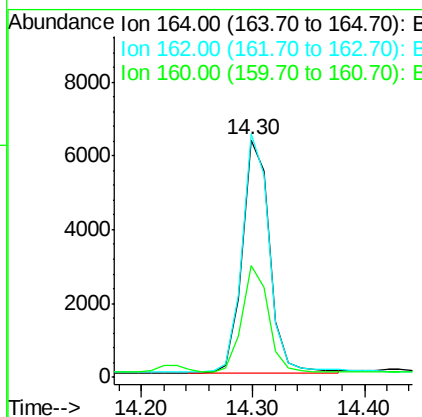
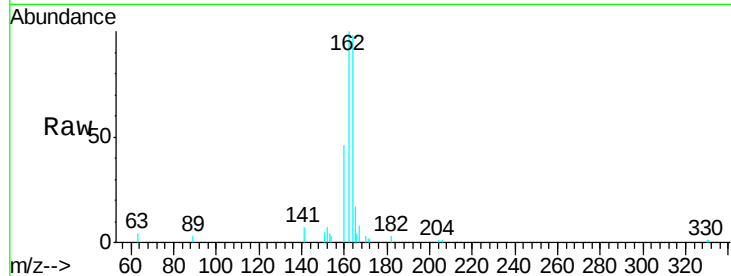
ClientSampleId :

PST-024-B282-092619

Tgt Ion:	164	Resp:	10682
Ion Ratio	Lower	Upper	
164	100		
162	102.5	81.7	122.5
160	46.9	37.0	55.4

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#14

2,4,6-Tribromophenol

Concen: 0.260 ng

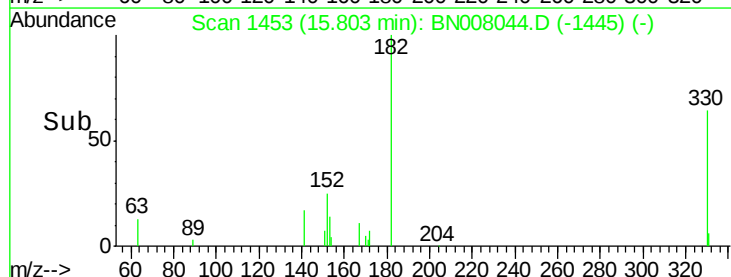
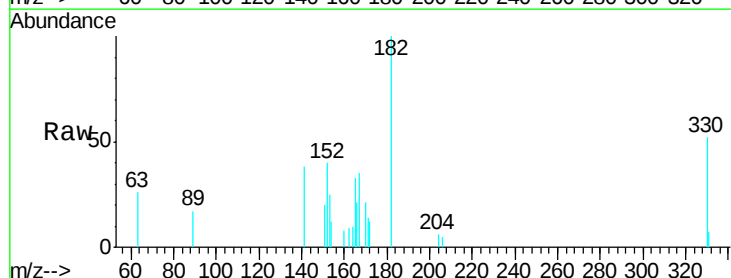
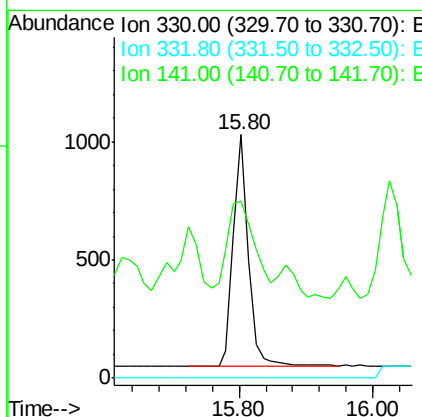
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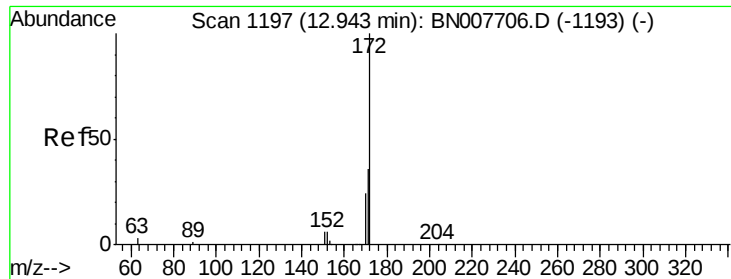
Delta R.T. -0.02 min

Lab File: BN008044.D

Acq: 06 Oct 2019 04:24

Tgt Ion:	330	Resp:	1514
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	69.6	28.7	43.1#





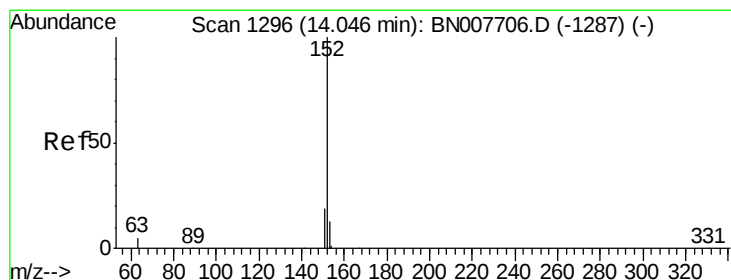
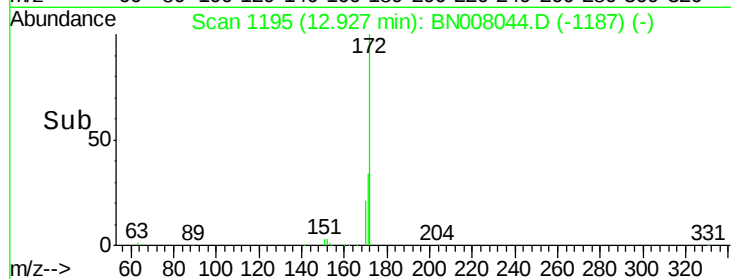
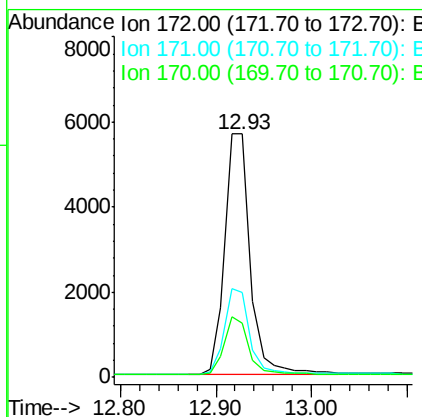
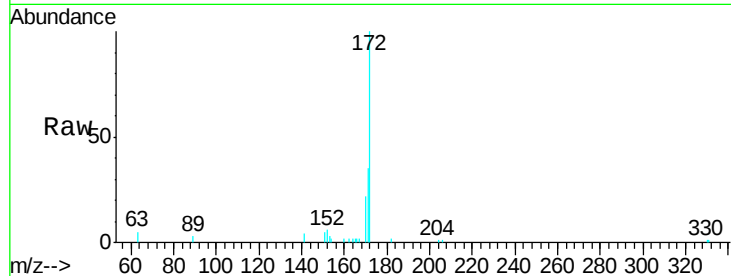
#15
2-Fluorobiphenyl
Concen: 0.240 ng
RT: 12.93 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BN008044.D
Acq: 06 Oct 2019 04:24

Instrument :
BNA_N
ClientSampleId :
PST-024-B282-092619

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.8	43.2
170	22.1	19.5	29.3

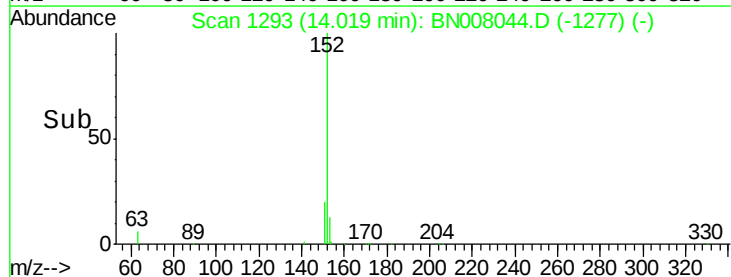
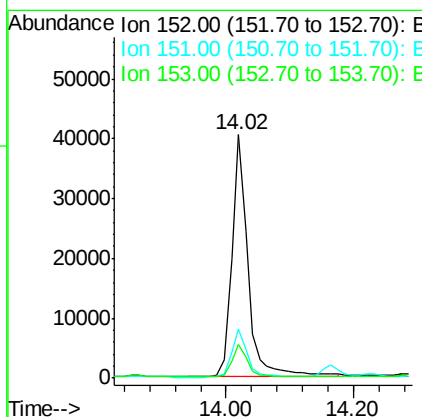
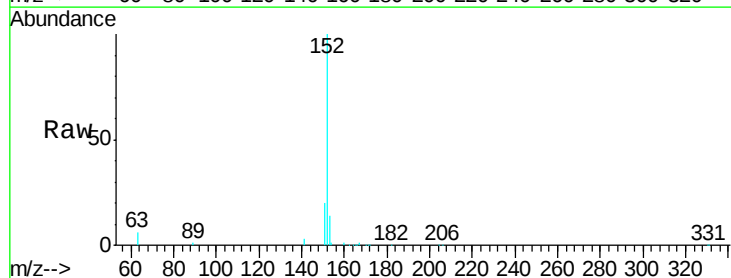
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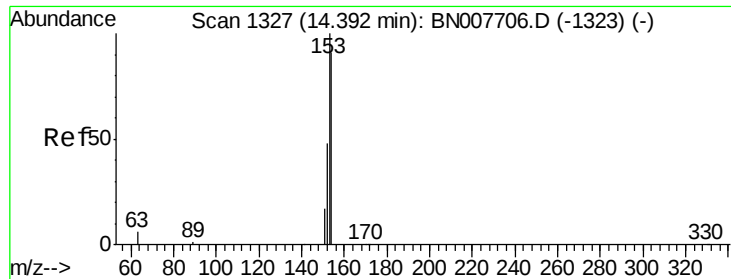
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#16
Acenaphthylene
Concen: 1.245 ng
RT: 14.02 min Scan# 1293
Delta R.T. -0.03 min
Lab File: BN008044.D
Acq: 06 Oct 2019 04:24

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.5	23.3
153	13.1	10.4	15.6





#17

Acenaphthene

Concen: 0.098 ng

RT: 14.36 min Scan# 1324

Delta R.T. -0.03 min

Lab File: BN008044.D

Acq: 06 Oct 2019 04:24

Instrument :

BNA_N

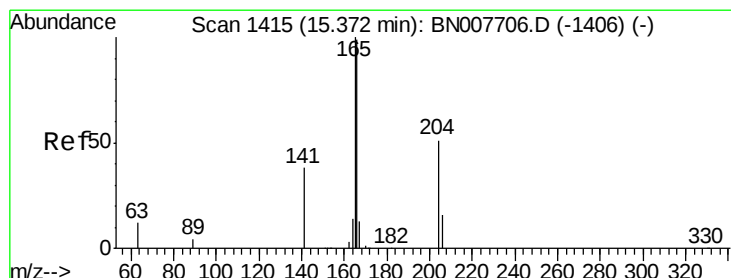
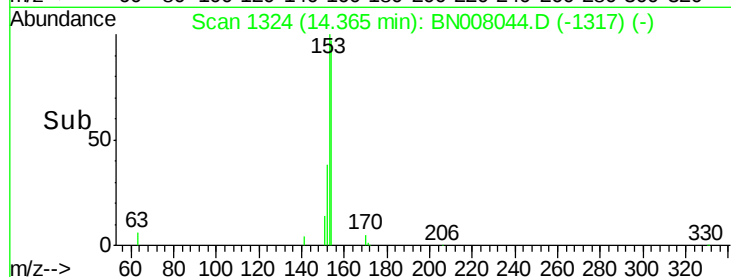
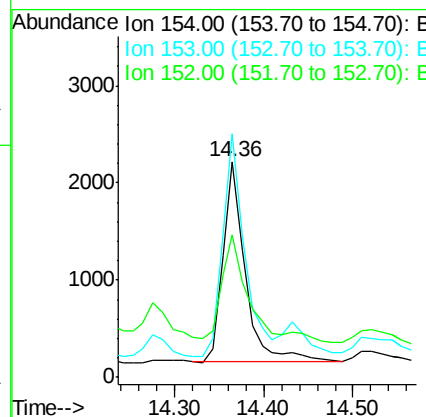
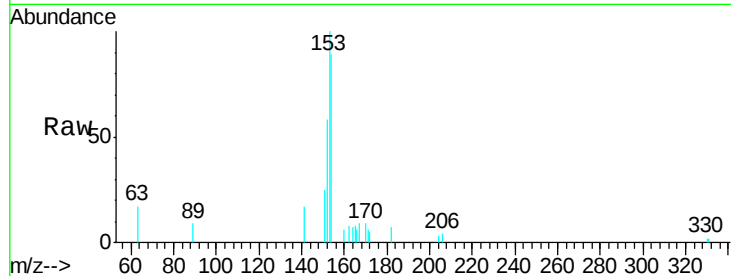
ClientSampleId :

PST-024-B282-092619

Tgt Ion:	154	Resp:	3588
Ion Ratio	Lower	Upper	
154	100		
153	110.1	87.0	130.4
152	54.7	42.7	64.1

Manual Integrations
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#18

Fluorene

Concen: 0.214 ng

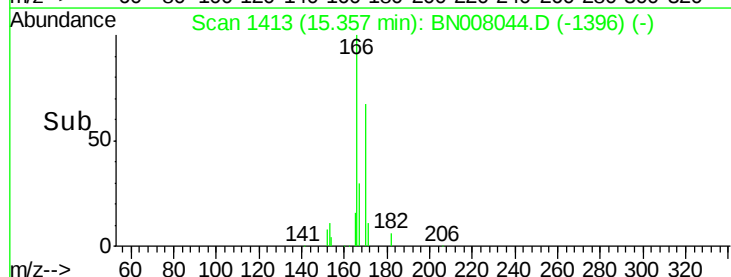
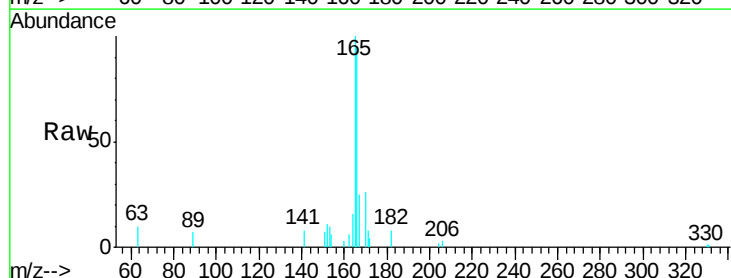
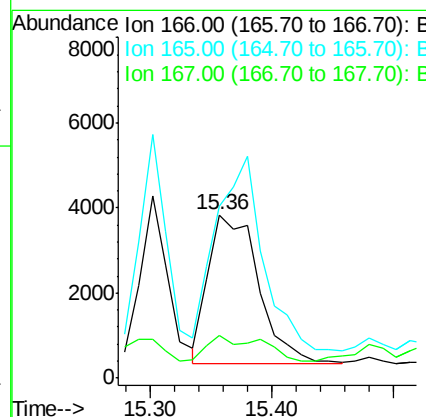
RT: 15.36 min Scan# 1413

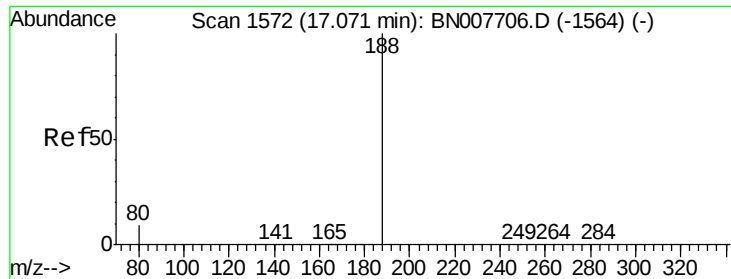
Delta R.T. -0.02 min

Lab File: BN008044.D

Acq: 06 Oct 2019 04:24

Tgt Ion:	166	Resp:	10009
Ion Ratio	Lower	Upper	
166	100		
165	0.0	78.0	117.0#
167	18.8	10.9	16.3#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.05 min Scan# 1569

Delta R.T. -0.03 min

Lab File: BN008044.D

Acq: 06 Oct 2019 04:24

Instrument :

BNA_N

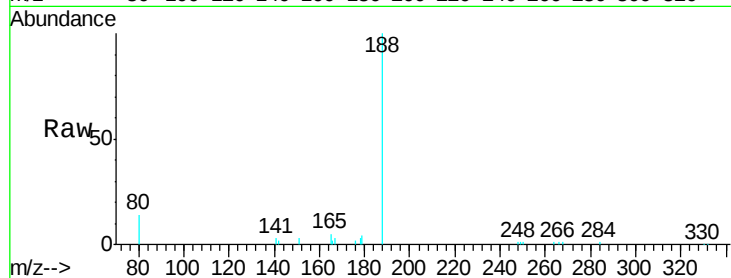
ClientSampleId :

PST-024-B282-092619

Tgt Ion:	188	Resp:	21484
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	13.6	7.4	11.2#

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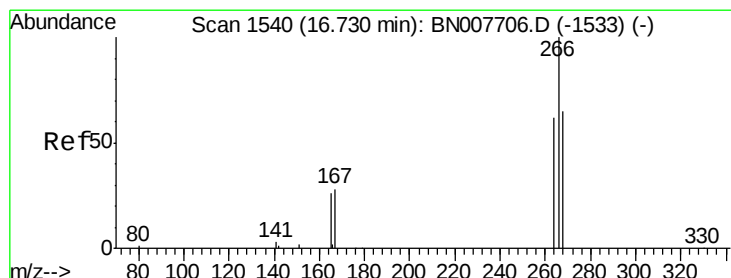
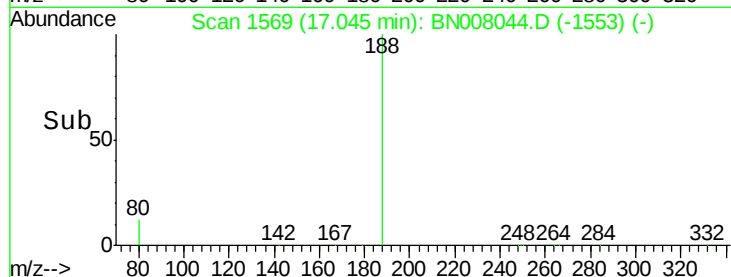
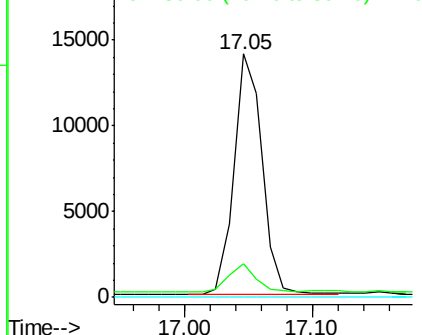
mohammad
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#22

Pentachlorophenol

Concen: 0.035 ng

RT: 16.72 min Scan# 1538

Delta R.T. -0.01 min

Lab File: BN008044.D

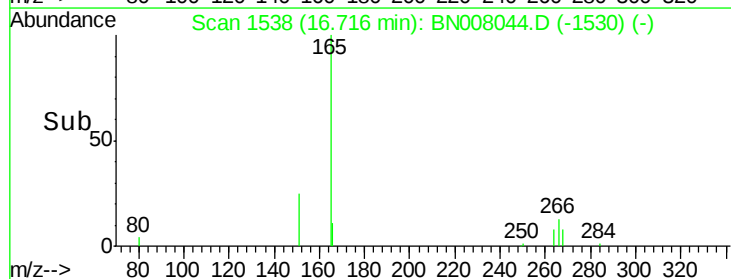
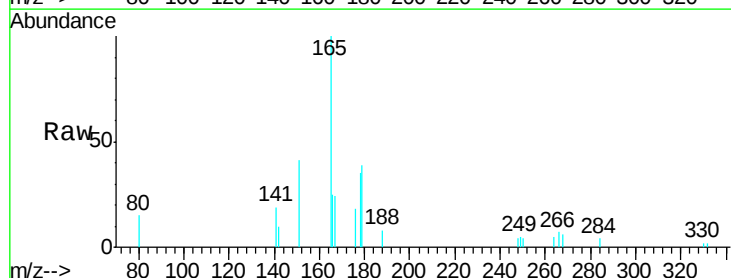
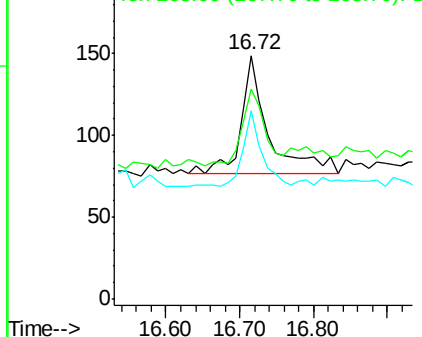
Acq: 06 Oct 2019 04:24

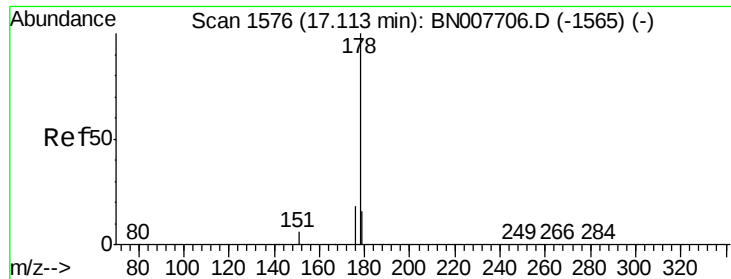
Tgt Ion:	266	Resp:	182
Ion Ratio	Lower	Upper	
266	100		
264	77.2	50.0	75.0#
268	85.9	54.2	81.4#

Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 2.121 ng

RT: 17.09 min Scan# 1573

Delta R.T. -0.03 min

Lab File: BN008044.D

Acq: 06 Oct 2019 04:24

Instrument :

BNA_N

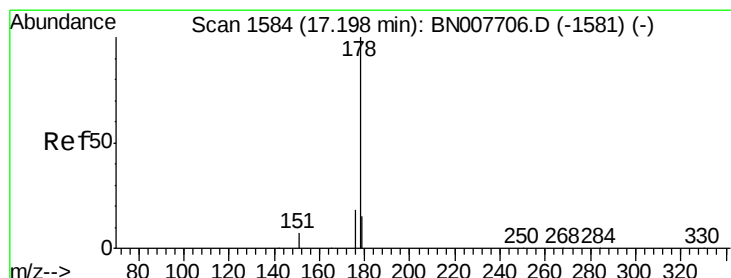
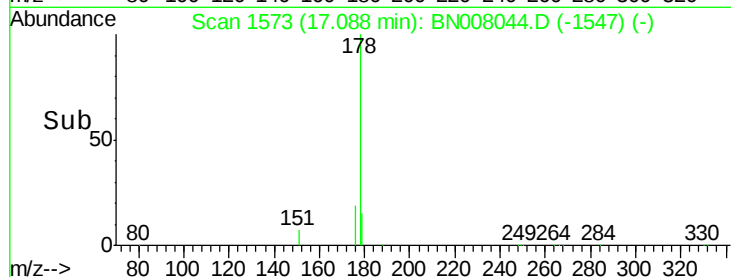
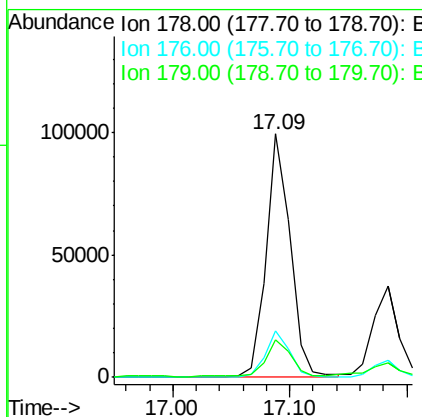
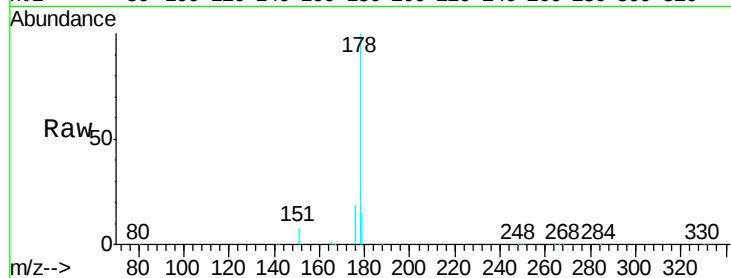
ClientSampleId :

PST-024-B282-092619

Tgt Ion:	178	Resp:	141974
Ion Ratio	Lower	Upper	
178	100		
176	18.6	14.9	22.3
179	15.8	12.5	18.7

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#24

Anthracene

Concen: 0.871 ng

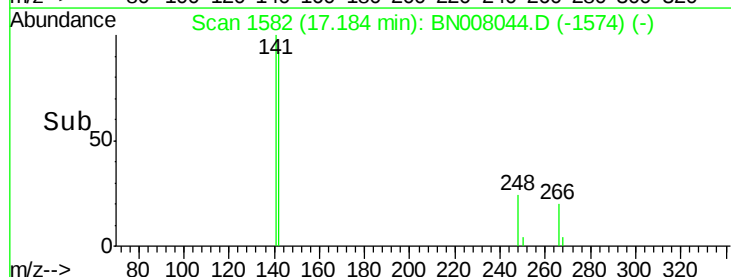
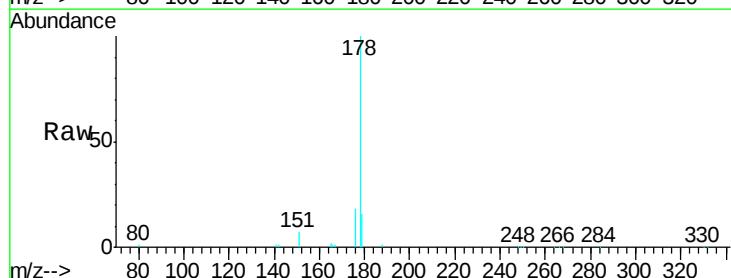
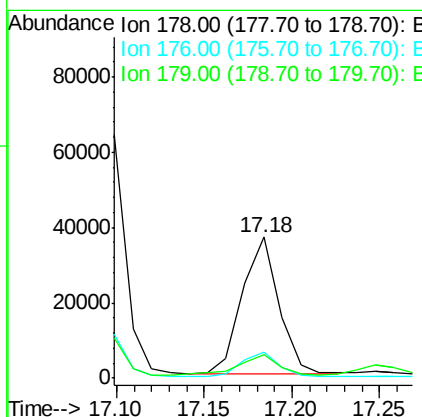
RT: 17.18 min Scan# 1582

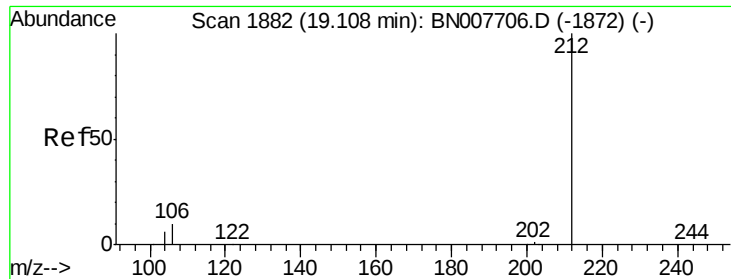
Delta R.T. -0.01 min

Lab File: BN008044.D

Acq: 06 Oct 2019 04:24

Tgt Ion:	178	Resp:	52678
Ion Ratio	Lower	Upper	
178	100		
176	17.9	14.6	21.8
179	16.1	12.2	18.4





#25

Fluoranthene-d10

Concen: 0.261 ng

RT: 19.09 min Scan# 1876

Delta R.T. -0.02 min

Lab File: BN008044.D

Acq: 06 Oct 2019 04:24

Instrument :

BNA_N

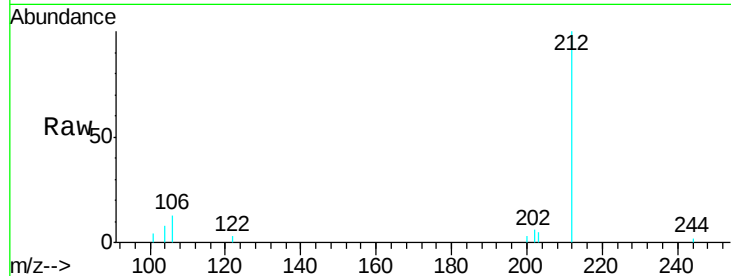
ClientSampleId :

PST-024-B282-092619

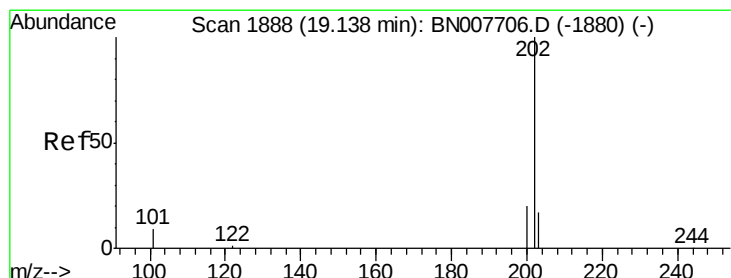
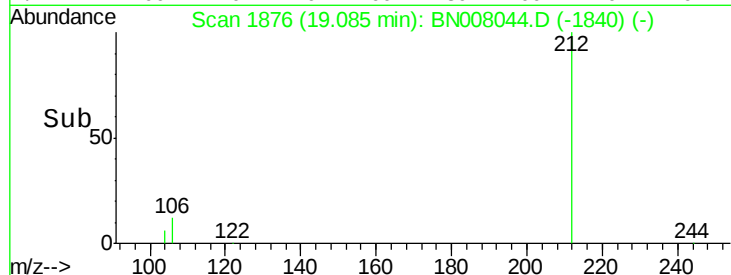
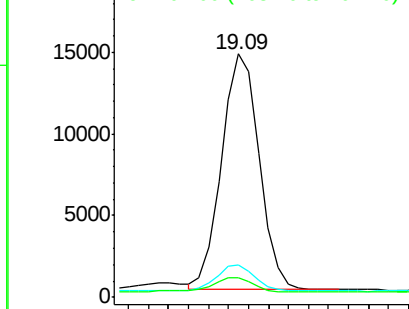
Tgt Ion:	212	Resp:	18873
Ion Ratio	Lower	Upper	
212	100		
106	11.7	9.4	14.0
104	7.7	5.3	7.9

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Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 3.256 ng

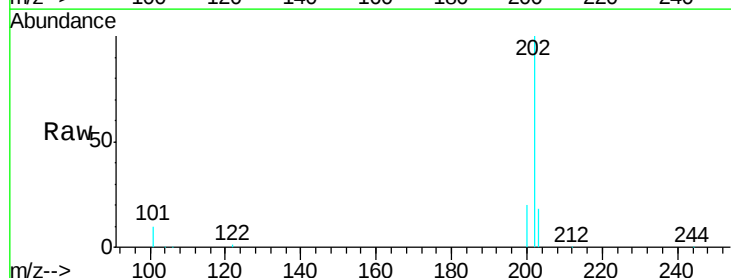
RT: 19.11 min Scan# 1882

Delta R.T. -0.02 min

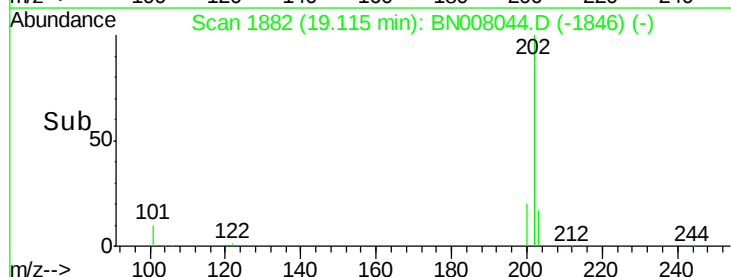
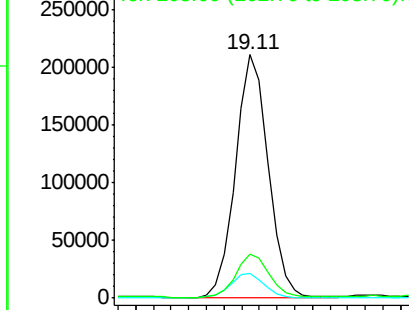
Lab File: BN008044.D

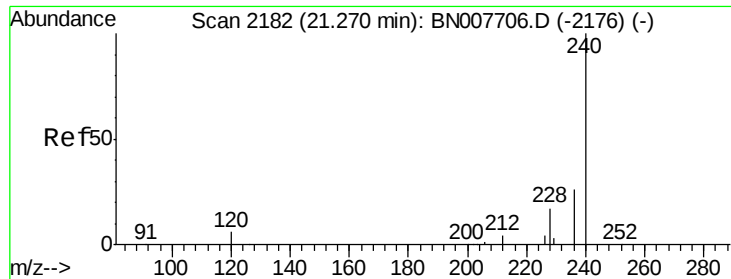
Acq: 06 Oct 2019 04:24

Tgt Ion:	202	Resp:	270950
Ion Ratio	Lower	Upper	
202	100		
101	10.3	8.4	12.6
203	17.8	13.8	20.8



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





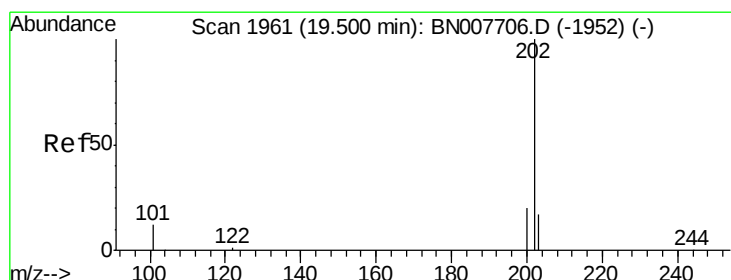
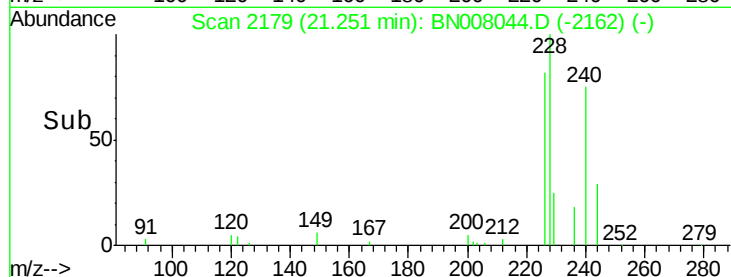
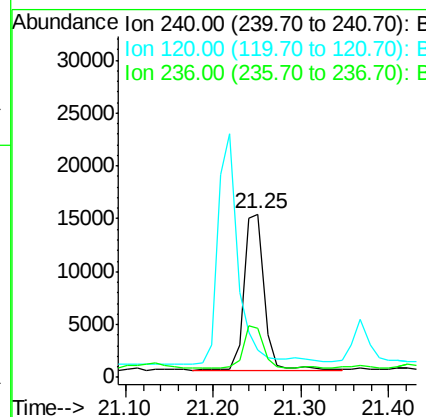
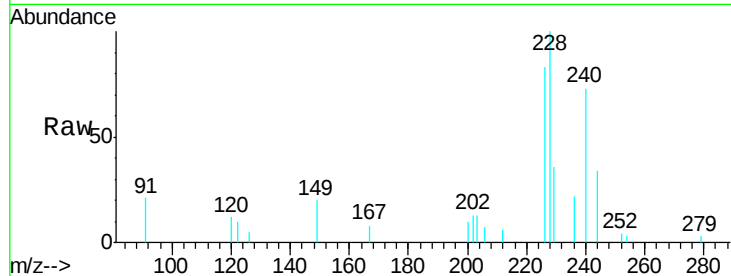
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 2179
Delta R.T. -0.02 min
Lab File: BN008044.D
Acq: 06 Oct 2019 04:24

Instrument :
BNA_N
ClientSampleId :
PST-024-B282-092619

Tgt Ion	Ratio	Lower	Upper
240	100		
120	16.9	5.4	8.2#
236	30.2	21.0	31.4

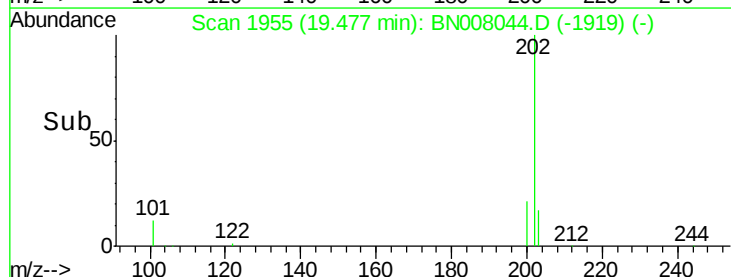
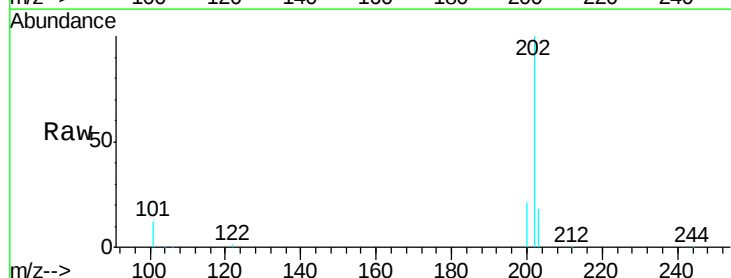
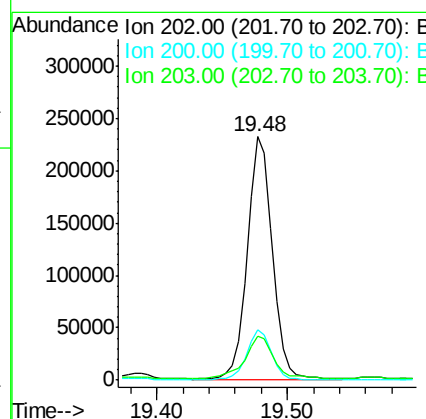
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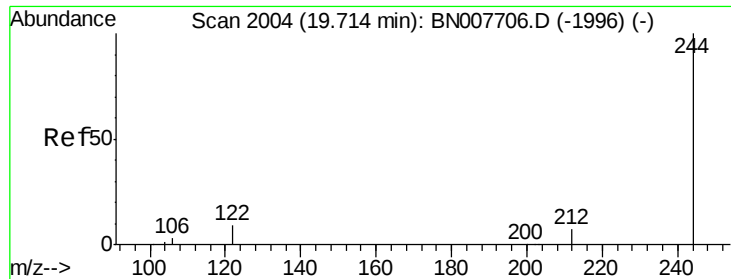
mohammad
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#28
Pyrene
Concen: 3.903 ng
RT: 19.48 min Scan# 1955
Delta R.T. -0.02 min
Lab File: BN008044.D
Acq: 06 Oct 2019 04:24

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.4	24.6
203	20.7	14.1	21.1





#29

Terphenyl-d14

Concen: 0.278 ng

RT: 19.69 min Scan# 1997

Delta R.T. -0.03 min

Lab File: BN008044.D

Acq: 06 Oct 2019 04:24

Instrument :

BNA_N

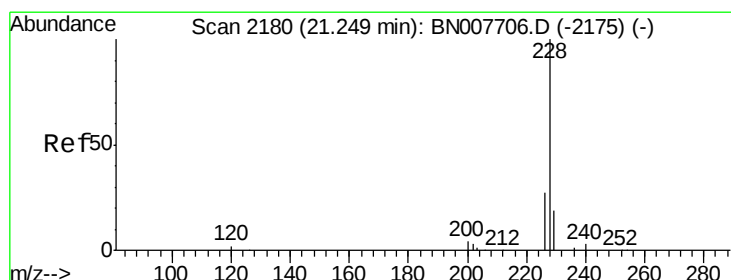
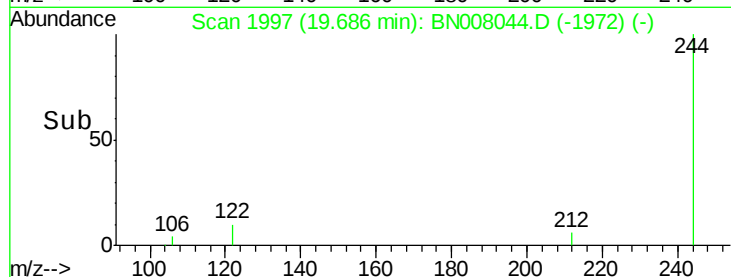
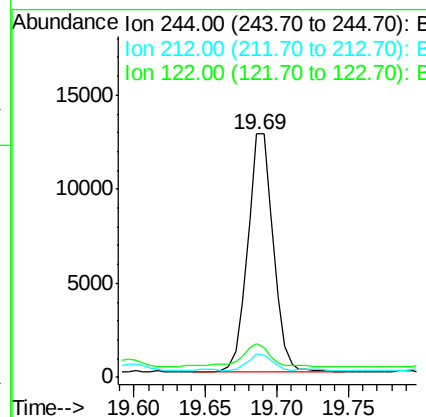
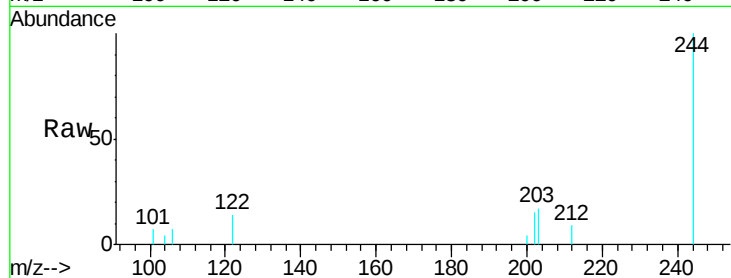
ClientSampleId :

PST-024-B282-092619

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.5	5.9	8.9#
122	14.0	7.4	11.2#

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#30

Benzo(a)anthracene

Concen: 1.714 ng

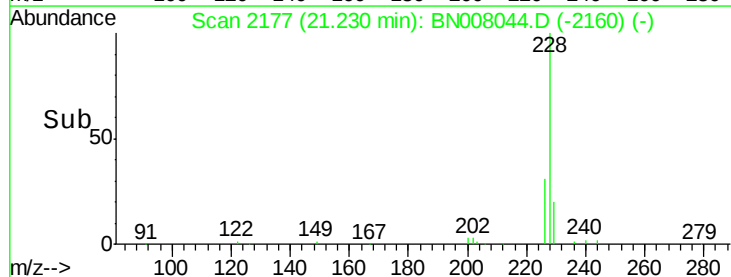
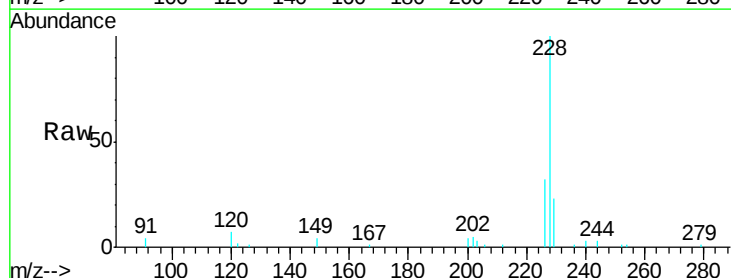
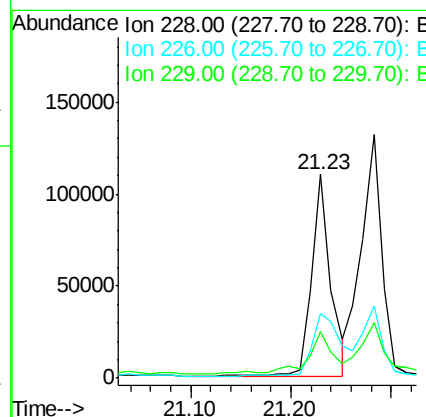
RT: 21.23 min Scan# 2177

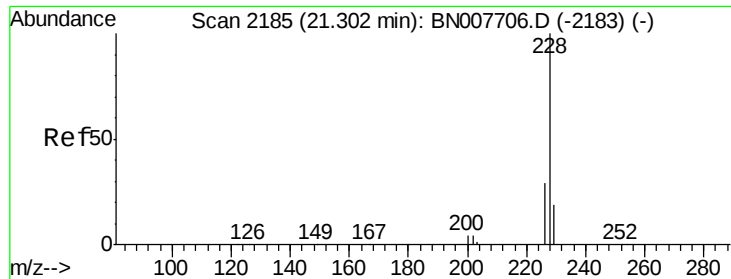
Delta R.T. -0.02 min

Lab File: BN008044.D

Acq: 06 Oct 2019 04:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.8	22.1	33.1
229	22.9	15.8	23.6





#31

Chrysene

Concen: 2.245 ng

RT: 21.28 min Scan# 2182

Delta R.T. -0.02 min

Lab File: BN008044.D

Acq: 06 Oct 2019 04:24

Instrument :

BNA_N

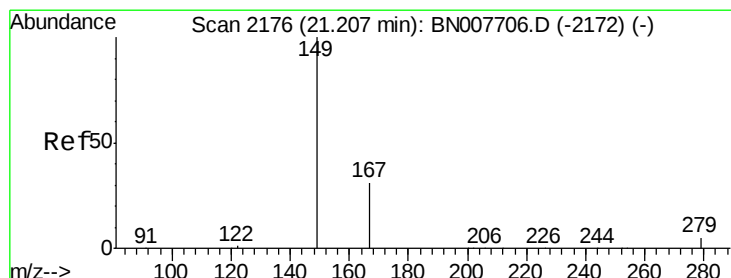
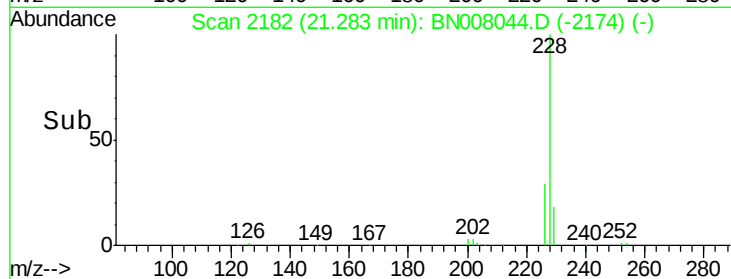
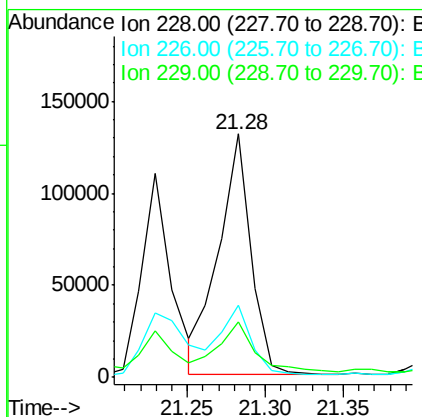
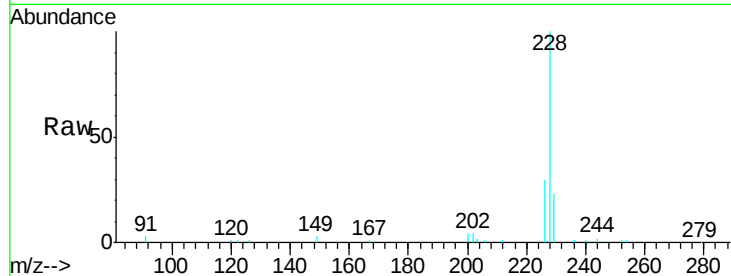
ClientSampleId :

PST-024-B282-092619

Tgt Ion:	228	Resp:	187785
Ion Ratio	Lower	Upper	
228	100		
226	29.7	23.9	35.9
229	22.9	15.8	23.6

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#32

Bis(2-ethylhexyl)phthalate

Concen: 0.718 ng m

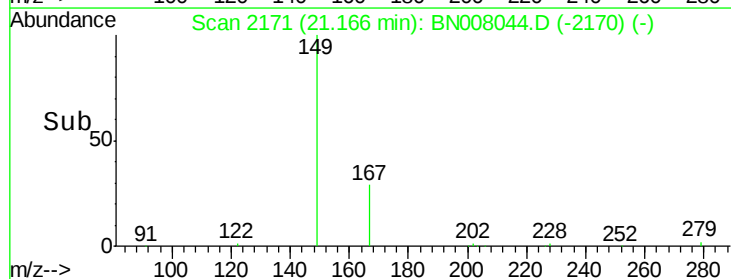
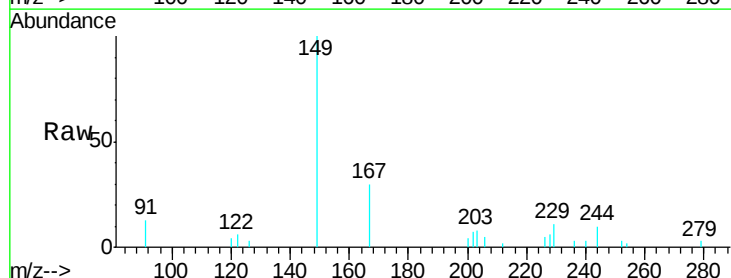
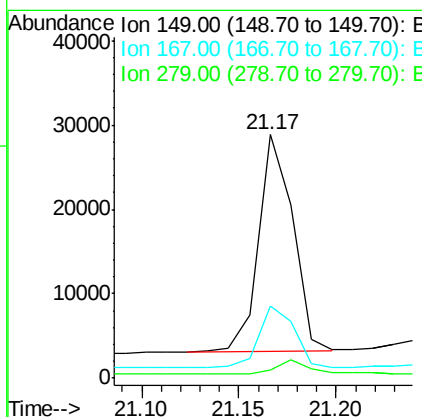
RT: 21.17 min Scan# 2171

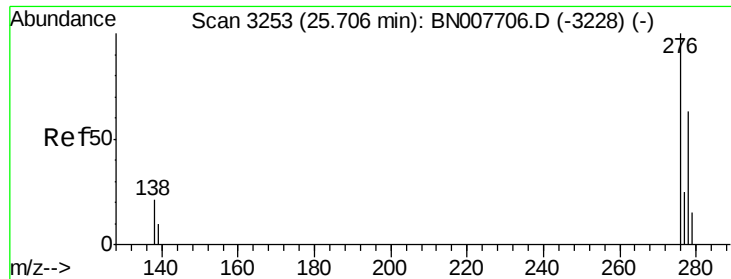
Delta R.T. -0.04 min

Lab File: BN008044.D

Acq: 06 Oct 2019 04:24

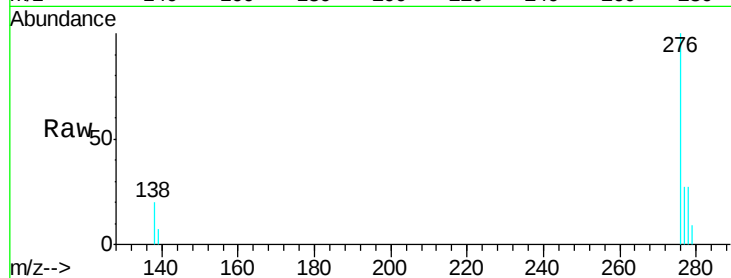
Tgt Ion:	149	Resp:	31697
Ion Ratio	Lower	Upper	
149	100		
167	26.0	23.7	35.5
279	5.5	4.2	6.2





#33
 Indeno(1,2,3-cd)pyrene
 Concen: 1.100 ng
 RT: 25.67 min Scan# 3241
 Delta R.T. -0.04 min
 Lab File: BN008044.D
 Acq: 06 Oct 2019 04:24

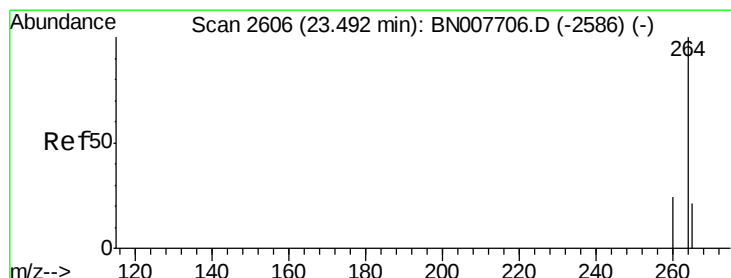
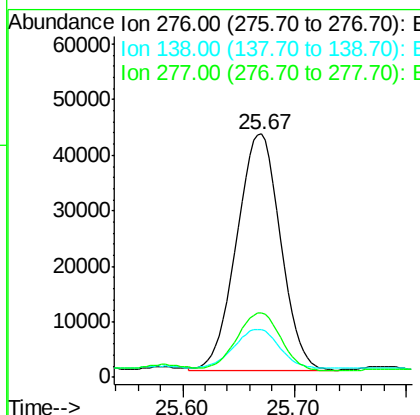
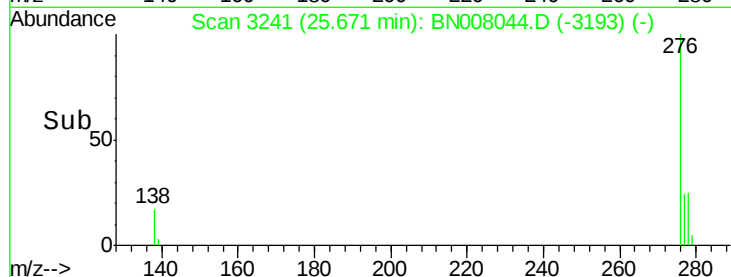
Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B282-092619



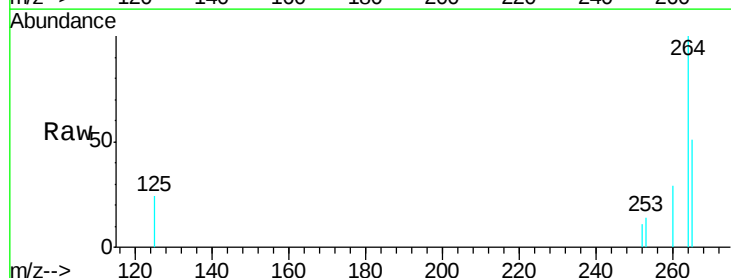
Tgt Ion	Ratio	Resp	Lower	Upper
276	100	115197		
138	17.3		17.1	25.7
277	25.0		20.0	30.0

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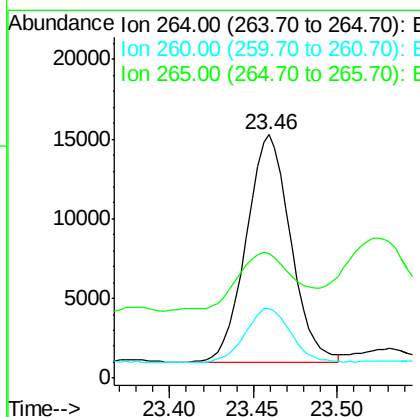
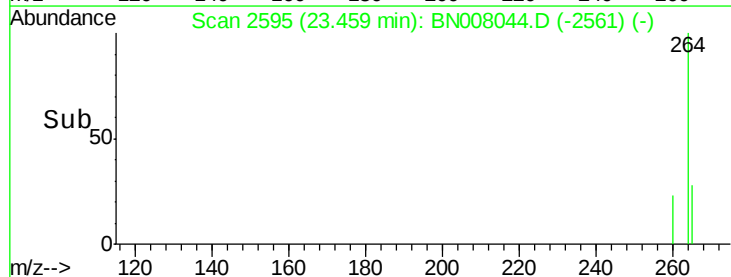
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 10/7/2019 4:40:25 PM

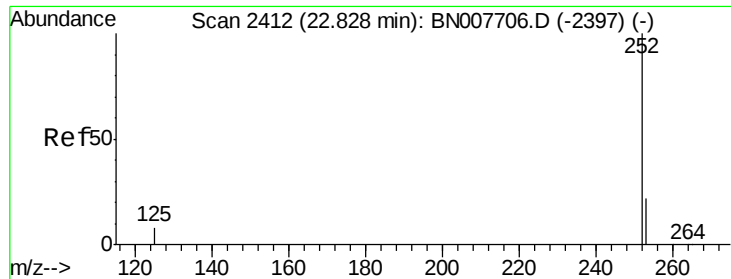


#34
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.46 min Scan# 2595
 Delta R.T. -0.03 min
 Lab File: BN008044.D
 Acq: 06 Oct 2019 04:24



Tgt Ion	Ratio	Resp	Lower	Upper
264	100	26489		
260	28.8		19.3	28.9
265	51.3		26.9	40.3#





#35

Benzo(b)fluoranthene

Concen: 2.384 ng

RT: 22.80 min Scan# 2403

Delta R.T. -0.03 min

Lab File: BN008044.D

Acq: 06 Oct 2019 04:24

Instrument :

BNA_N

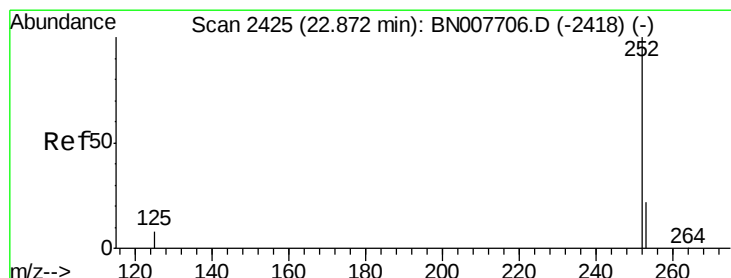
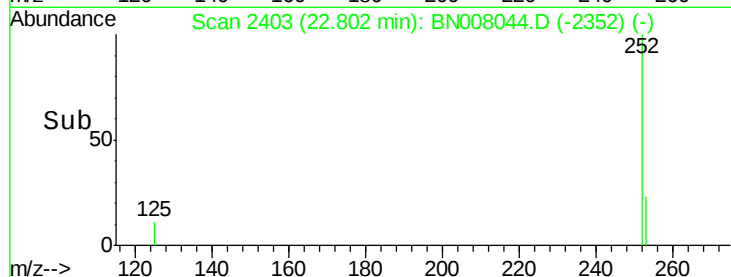
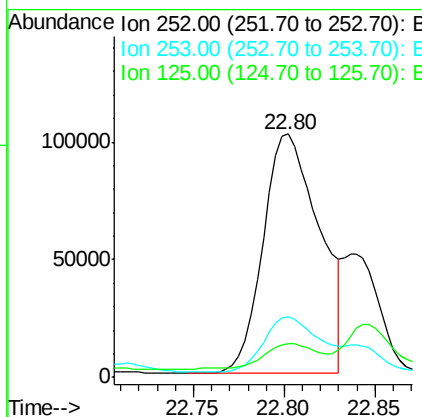
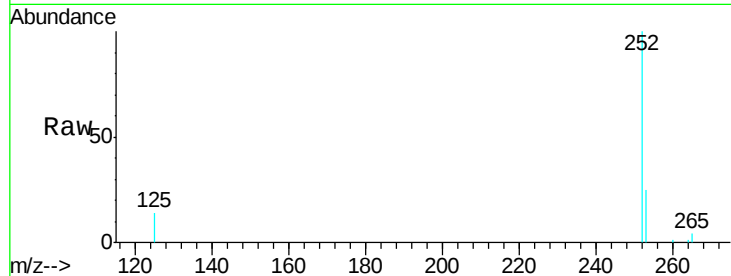
ClientSampleId :

PST-024-B282-092619

Tgt Ion:	252	Resp:	219278
Ion Ratio	Lower	Upper	
252	100		
253	24.6	18.3	27.5
125	14.0	8.2	12.4

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#36

Benzo(k)fluoranthene

Concen: 0.782 ng m

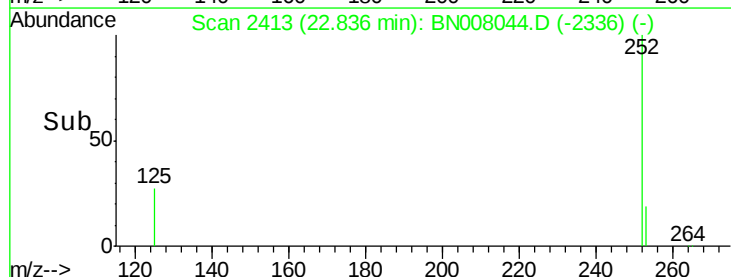
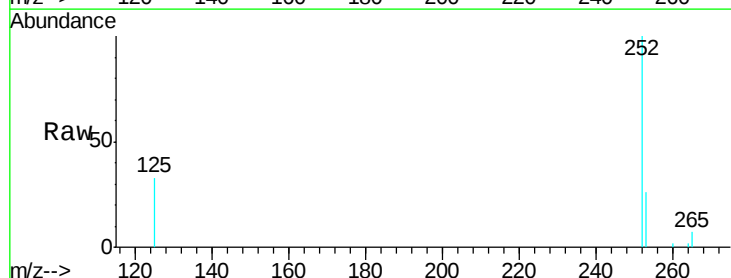
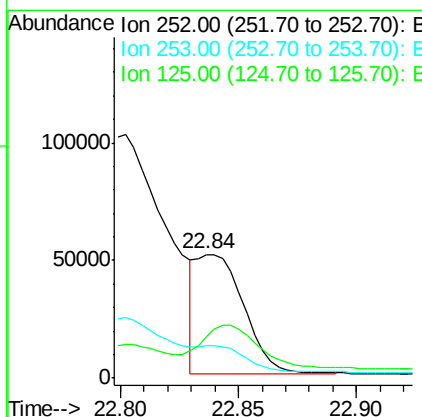
RT: 22.84 min Scan# 2413

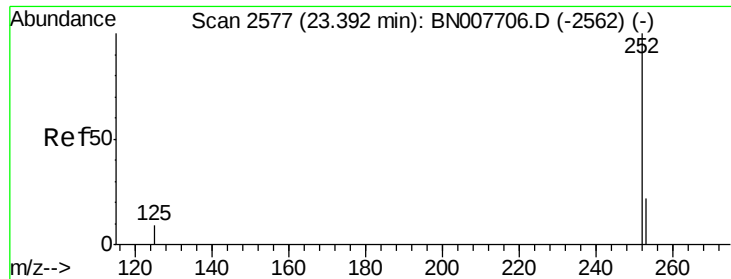
Delta R.T. -0.04 min

Lab File: BN008044.D

Acq: 06 Oct 2019 04:24

Tgt Ion:	252	Resp:	71153
Ion Ratio	Lower	Upper	
252	100		
253	26.1	18.5	27.7
125	33.2	8.4	12.6





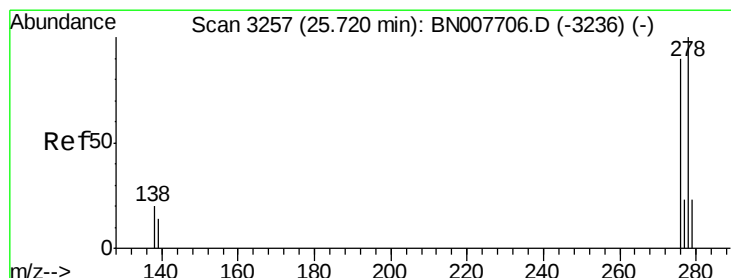
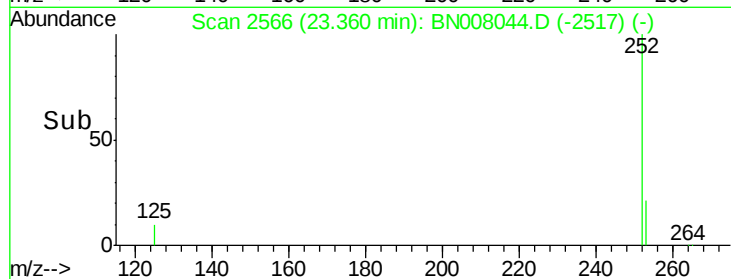
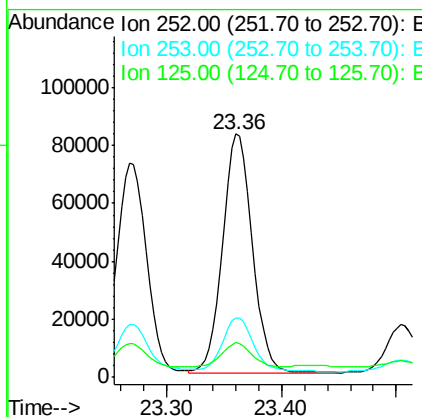
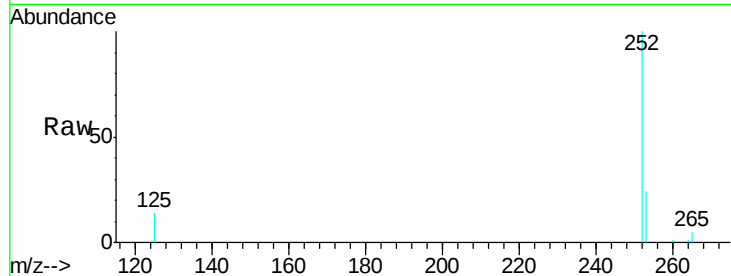
#37
Benzo(a)pyrene
Concen: 1.723 ng
RT: 23.36 min Scan# 2566
Delta R.T. -0.03 min
Lab File: BN008044.D
Acq: 06 Oct 2019 04:24

Instrument :
BNA_N
ClientSampleId :
PST-024-B282-092619

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.6	27.8
125	14.1	9.4	14.0#

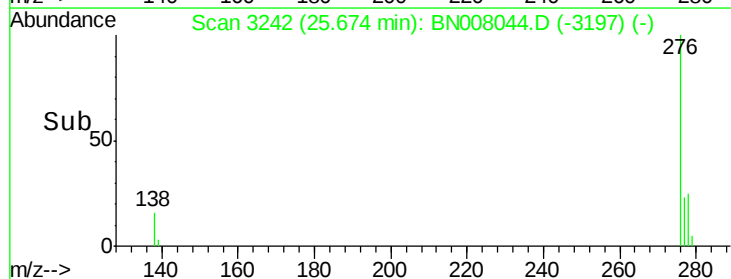
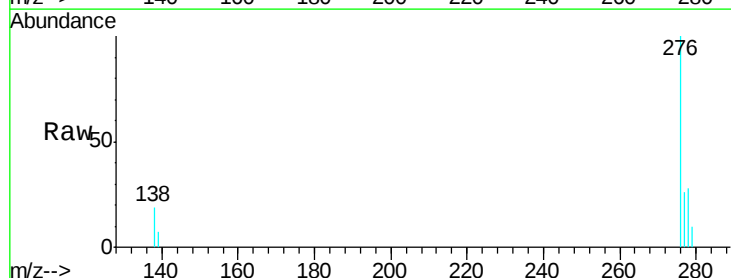
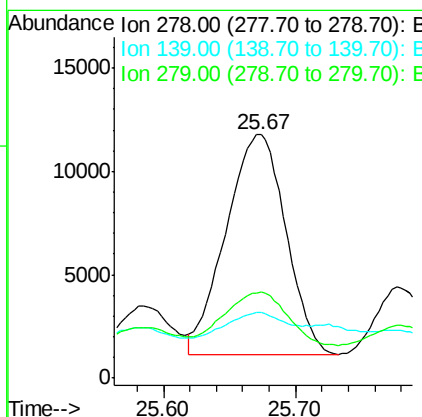
Manual Integrations
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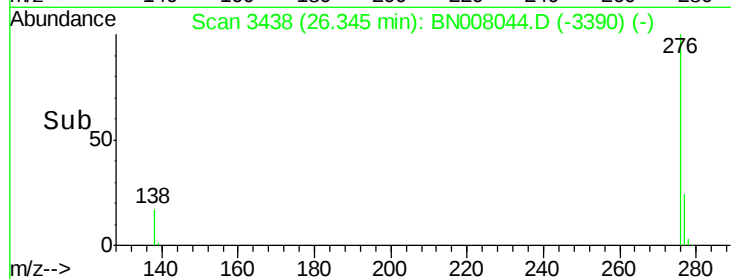
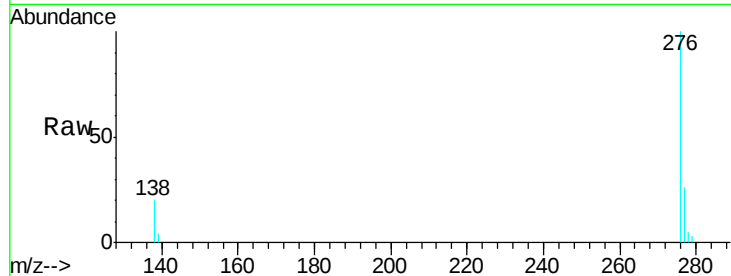
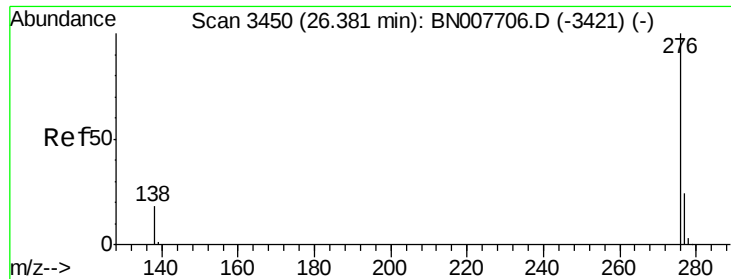
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#38
Dibenzo(a,h)anthracene
Concen: 0.380 ng
RT: 25.67 min Scan# 3242
Delta R.T. -0.05 min
Lab File: BN008044.D
Acq: 06 Oct 2019 04:24

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.8	11.8	17.6#
279	35.6	19.4	29.2#





#39

Benzo(g,h,i)perylene

Concen: 1.429 ng

RT: 26.34 min Scan# 3438

Delta R.T. -0.04 min

Lab File: BN008044.D

Acq: 06 Oct 2019 04:24

Instrument :

BNA_N

ClientSampleId :

PST-024-B282-092619

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.0	19.8	29.8
138	19.6	15.1	22.7

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