

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100319\
 Data File : BN007997.D
 Acq On : 04 Oct 2019 01:11
 Operator : JU
 Sample : K5077-12
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B262-092519

Manual Integrations
 APPROVED

mohammad
 10/7/2019 8:27:34 AM

Quant Time: Oct 04 08:50:57 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	7.69	152	4687	0.40	ng	-0.02
7) Naphthalene-d8	10.46	136	19625	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	12786	0.40	ng	-0.01
19) Phenanthrene-d10	17.06	188	28444	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	29240	0.40	ng	-0.02
34) Perylene-d12	23.47	264	33130	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.31	112	5120	0.32	ng	0.00
5) Phenol-d6	6.87	99	7359	0.37	ng	0.00
8) Nitrobenzene-d5	8.82	82	5516	0.32	ng	-0.01
11) 2-Methylnaphthalene-d10	12.05	152	11698	0.35	ng	-0.02
14) 2,4,6-Tribromophenol	15.81	330	2619	0.38	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	16069	0.31	ng	-0.01
25) Fluoranthene-d10	19.09	212	33699	0.35	ng	-0.01
29) Terphenyl-d14	19.69	244	26548	0.37	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.51	128	2894	0.053	ng	# 87
12) 2-Methylnaphthalene	12.12	142	2376	0.064	ng	# 94
16) Acenaphthylene	14.02	152	24634	0.363	ng	99
17) Acenaphthene	14.37	154	9829	0.225	ng	97
18) Fluorene	15.36	166	10891	0.194	ng	# 91
23) Phenanthrene	17.09	178	289876	3.271	ng	100
24) Anthracene	17.19	178	48787	0.610	ng	99
26) Fluoranthene	19.12	202	487400	4.424	ng	99
28) Pyrene	19.49	202	464175	4.655	ng	# 96
30) Benzo(a)anthracene	21.24	228	215538	2.002	ng	95
31) Chrysene	21.29	228	217994	2.077	ng	98
32) Bis(2-ethylhexyl)phthalate	21.17	149	16248	0.293	ng	96
33) Indeno(1,2,3-cd)pyrene	25.68	276	143039	1.089	ng	# 94
35) Benzo(b)fluoranthene	22.81	252	285018	2.478	ng	97
36) Benzo(k)fluoranthene	22.85	252	85569m	0.752	ng	
37) Benzo(a)pyrene	23.37	252	191997	1.776	ng	99
38) Dibenzo(a,h)anthracene	25.68	278	34237	0.310	ng	# 79
39) Benzo(a,h,i)perylene	26.35	276	148181	1.354	ng	99

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

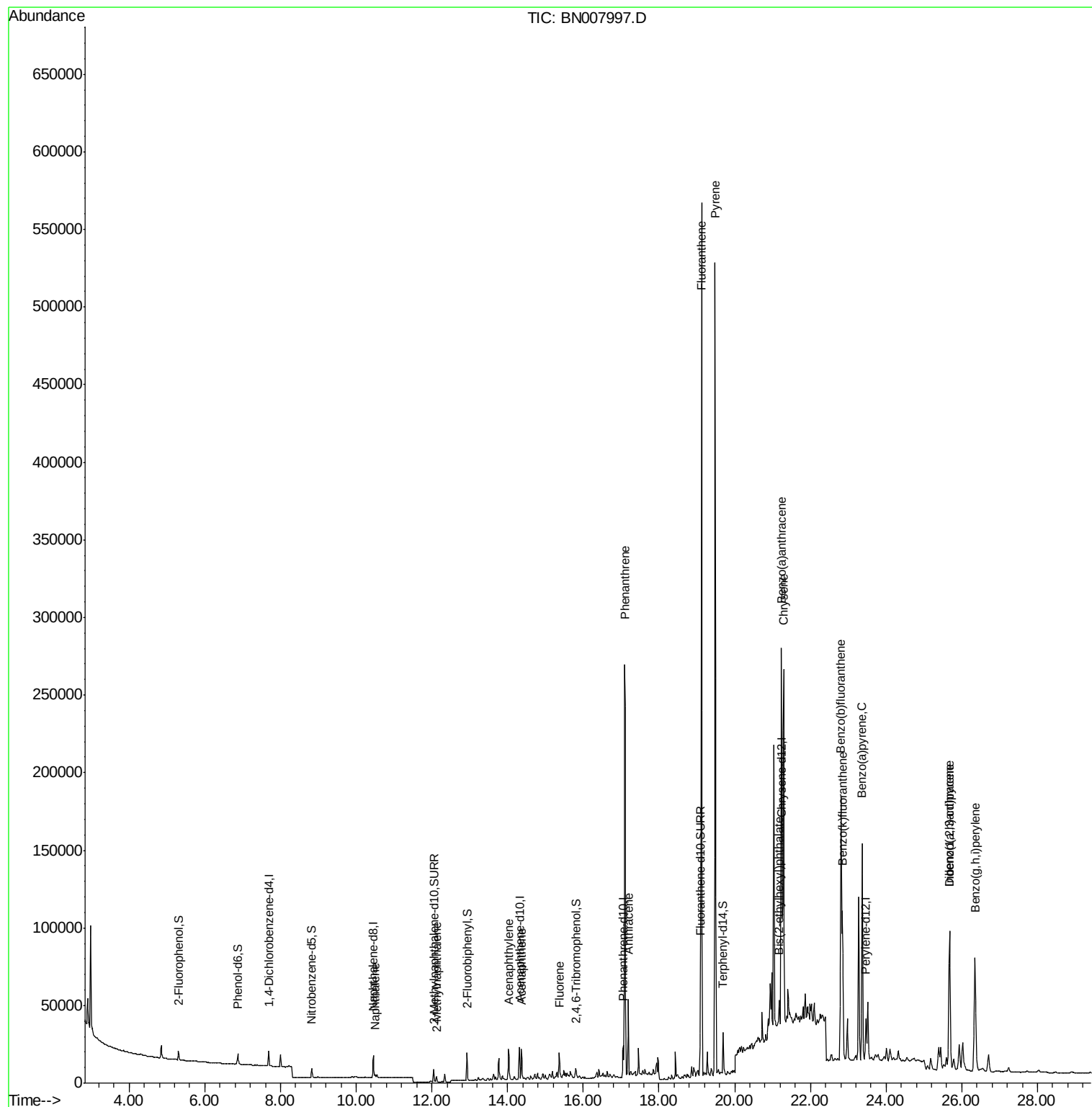
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100319\
Data File : BN007997.D
Acq On : 04 Oct 2019 01:11
Operator : JU
Sample : K5077-12
Misc :
ALS Vial : 14 Sample Multiplier: 1

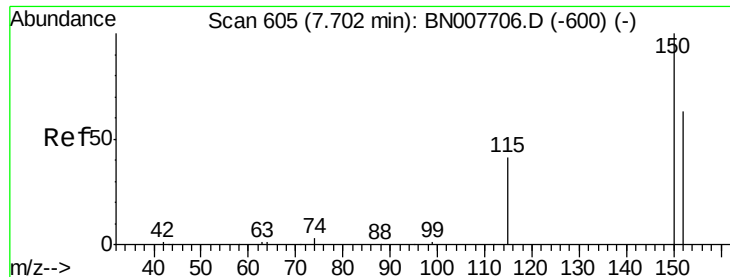
Instrument :
BNA_N
ClientSampleId :
PST-024-B262-092519

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10/7/2019 8:27:34 AM

Quant Time: Oct 04 08:50:57 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

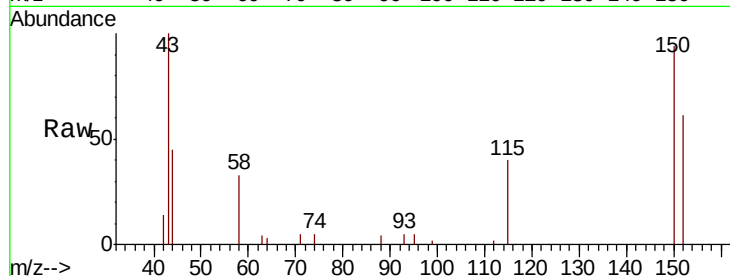
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 603
Delta R.T. -0.02 min
Lab File: BN007997.D
Acq: 04 Oct 2019 01:11

Instrument :
BNA_N
ClientSampleId :
PST-024-B262-092519

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	125.6	188.4
115	64.6	53.3	79.9

Manual Integrations
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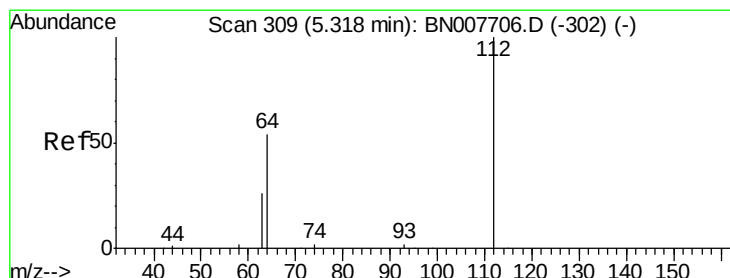
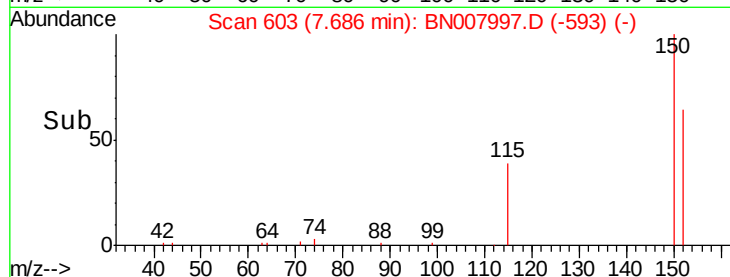
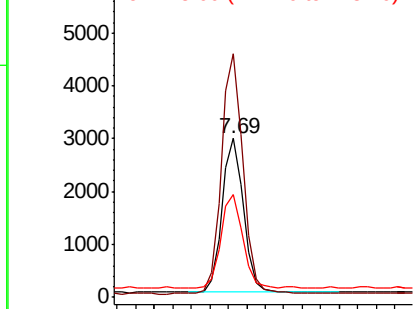


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

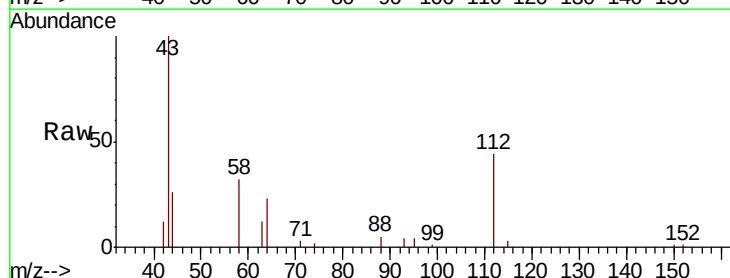
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.317 ng
RT: 5.31 min Scan# 308
Delta R.T. -0.01 min
Lab File: BN007997.D
Acq: 04 Oct 2019 01:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.0	46.6	70.0
63	30.1	23.1	34.7

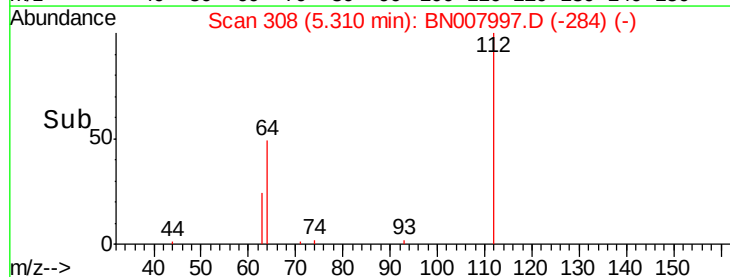
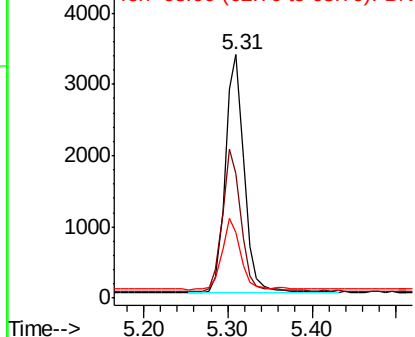


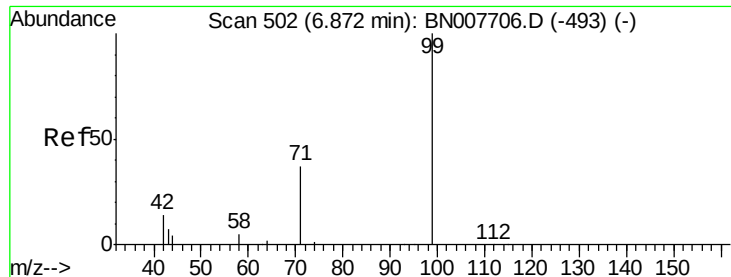
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC





#5

Phenol-d6

Concen: 0.365 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN007997.D

Acq: 04 Oct 2019 01:11

Instrument :

BNA_N

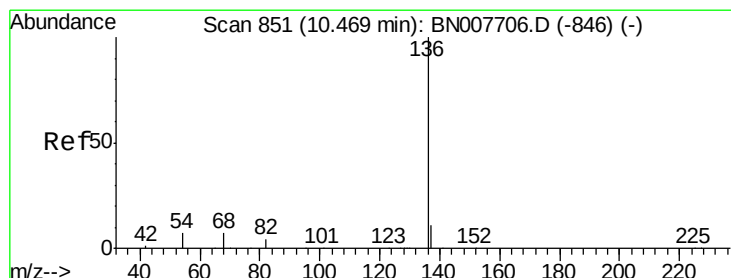
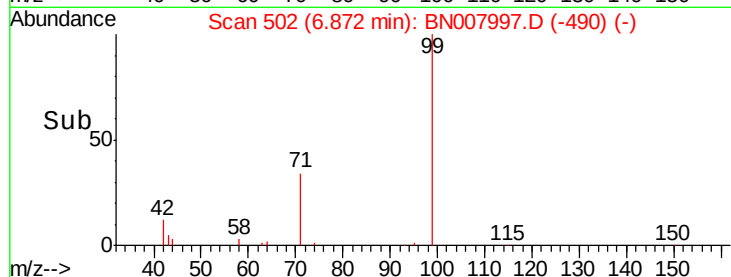
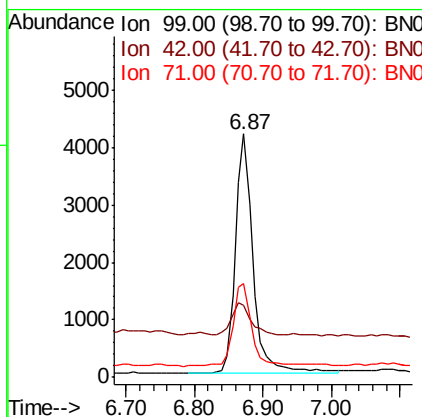
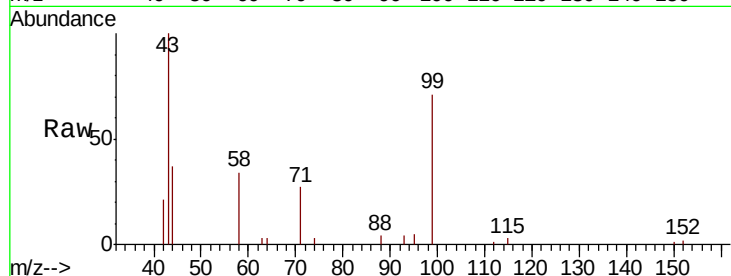
ClientSampleId :

PST-024-B262-092519

Tot Ion:	99	Resp:	7359
Ion	Ratio	Lower	Upper
99	100		
42	14.2	12.8	19.2
71	38.1	27.6	41.4

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#7

Naphthalene-d8

Concen: 0.400 ng

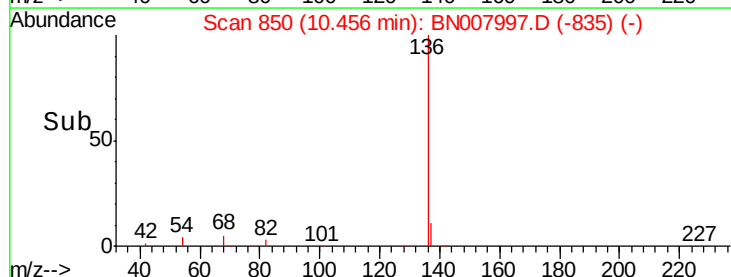
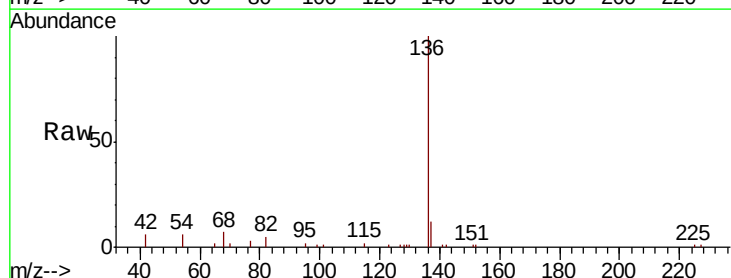
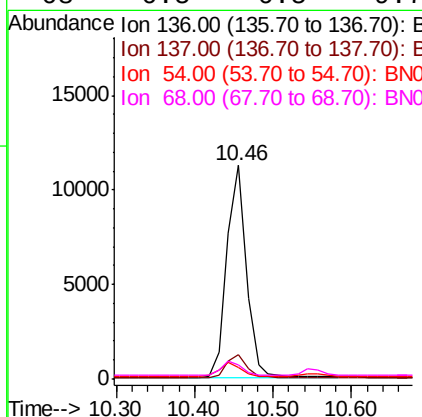
RT: 10.46 min Scan# 850

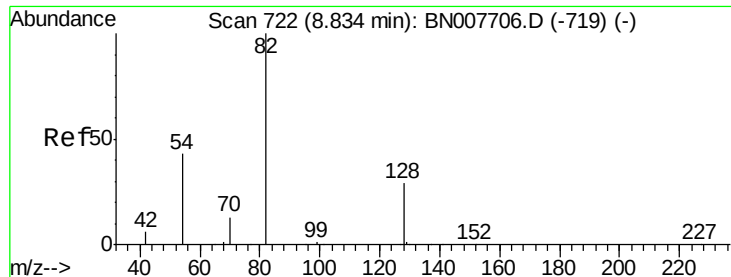
Delta R.T. -0.01 min

Lab File: BN007997.D

Acq: 04 Oct 2019 01:11

Tgt Ion:	136	Resp:	19625
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	5.5	5.8	8.8#
68	6.5	6.5	9.7





#8

Nitrobenzene-d5

Concen: 0.321 ng

RT: 8.82 min Scan# 721

Delta R.T. -0.01 min

Lab File: BN007997.D

Acq: 04 Oct 2019 01:11

Instrument :

BNA_N

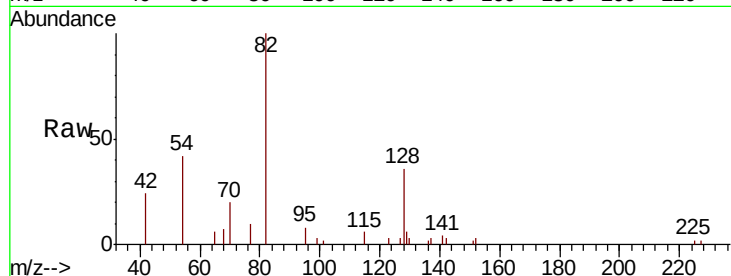
ClientSampleId :

PST-024-B262-092519

Tot Ion:	82	Resp:	5516
Ion	Ratio	Lower	Upper
82	100		
128	36.2	24.5	36.7
54	42.0	35.2	52.8

Manual Integrations
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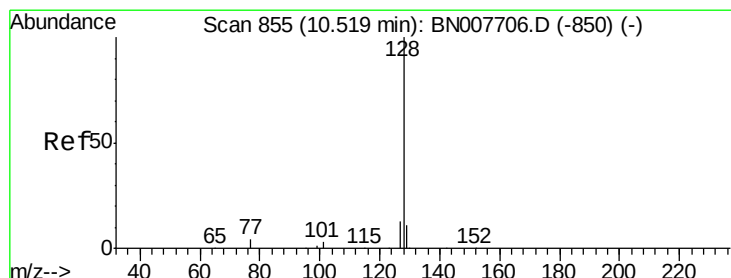
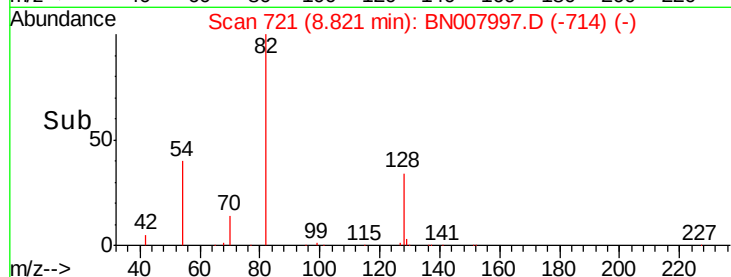
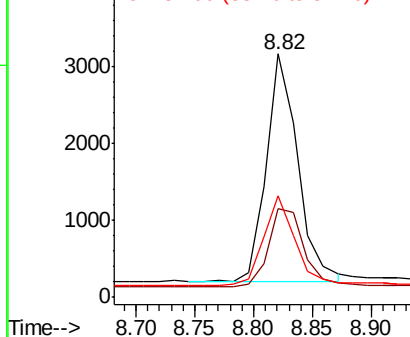


Abundance

Ion 82.00 (81.70 to 82.70): BN007706.D (-719) (-)

Ion 128.00 (127.70 to 128.70): BN007706.D (-719) (-)

Ion 54.00 (53.70 to 54.70): BN007706.D (-719) (-)



#9

Naphthalene

Concen: 0.053 ng

RT: 10.51 min Scan# 854

Delta R.T. -0.01 min

Lab File: BN007997.D

Acq: 04 Oct 2019 01:11

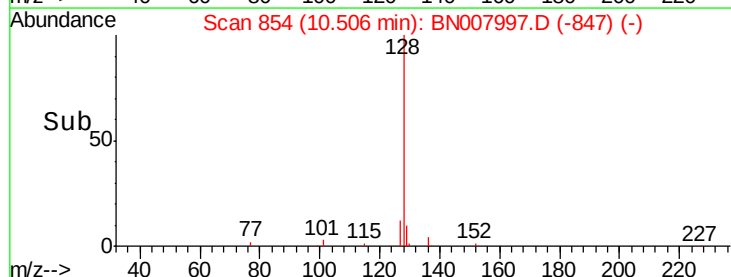
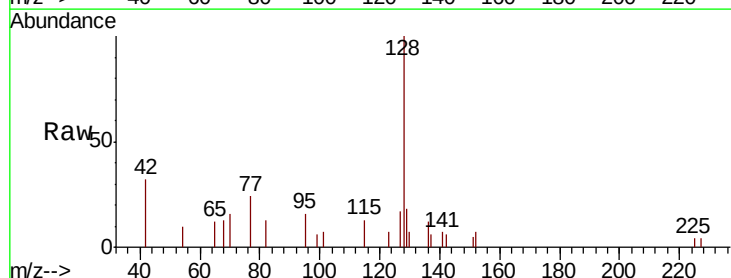
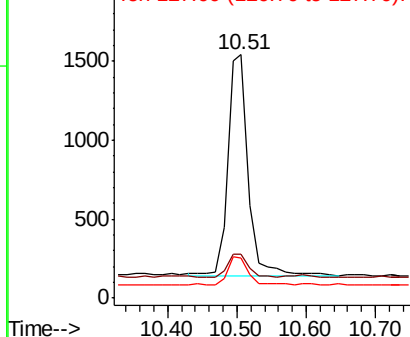
Tgt Ion:	128	Resp:	2894
Ion	Ratio	Lower	Upper
128	100		
129	18.0	9.1	13.7#
127	16.5	10.6	15.8#

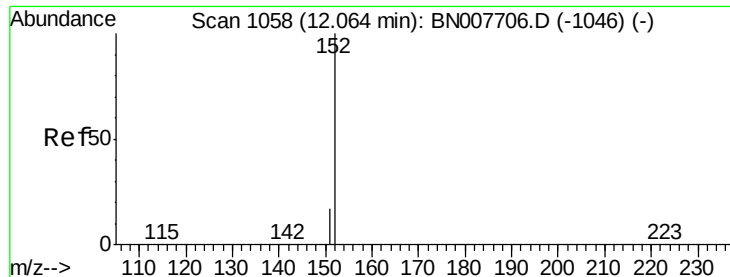
Abundance

Ion 128.00 (127.70 to 128.70): BN007706.D (-850) (-)

Ion 129.00 (128.70 to 129.70): BN007706.D (-850) (-)

Ion 127.00 (126.70 to 127.70): BN007706.D (-850) (-)





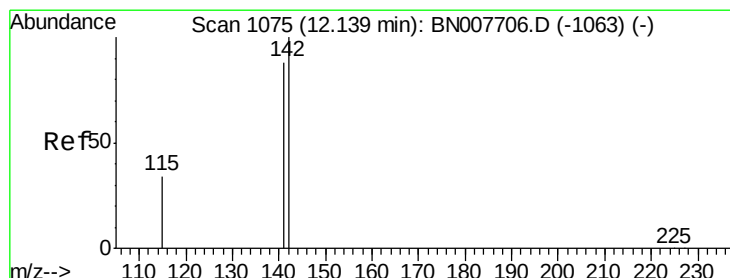
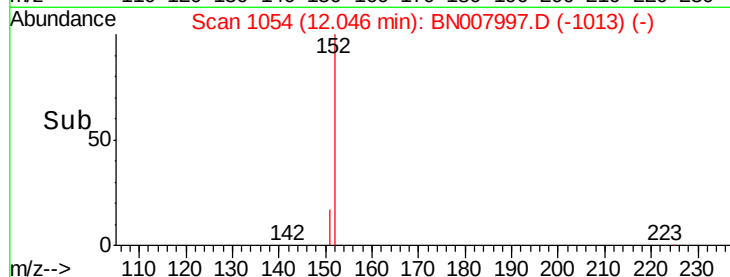
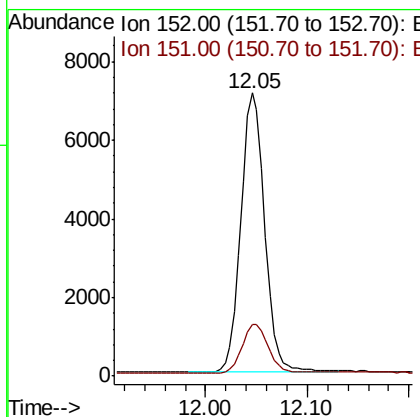
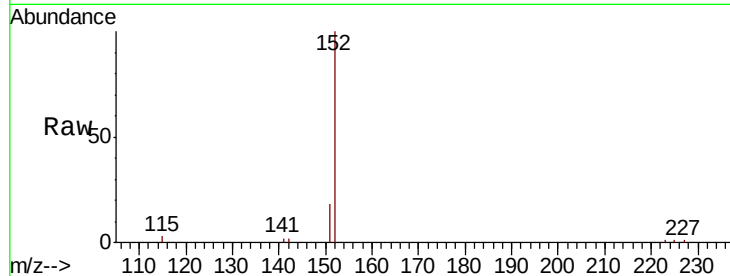
#11
2-Methylnaphthalene-d10
Concen: 0.354 ng
RT: 12.05 min Scan# 1054
Delta R.T. -0.02 min
Lab File: BN007997.D
Acq: 04 Oct 2019 01:11

Instrument :
BNA_N
ClientSampleId :
PST-024-B262-092519

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.2

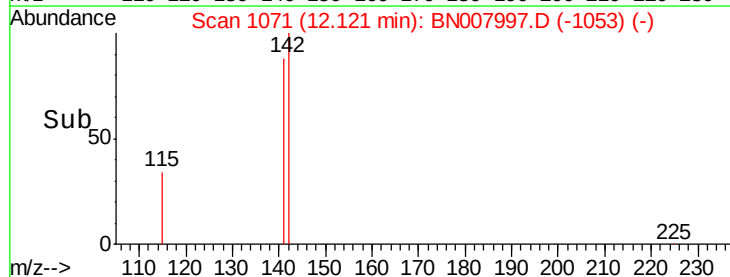
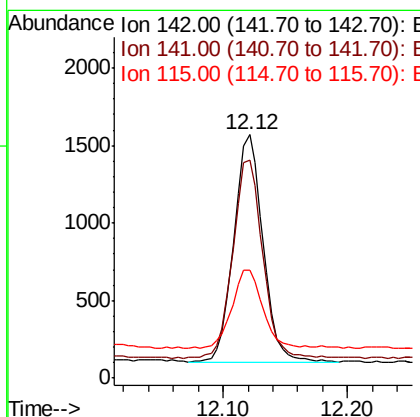
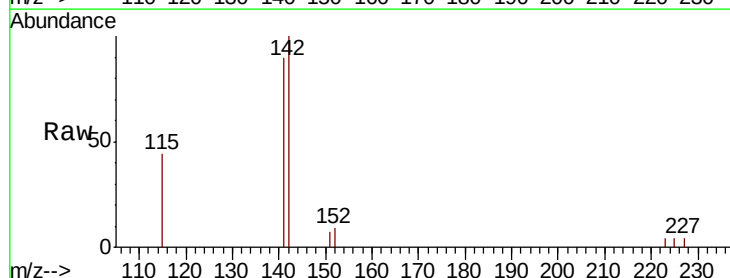
Manual Integrations
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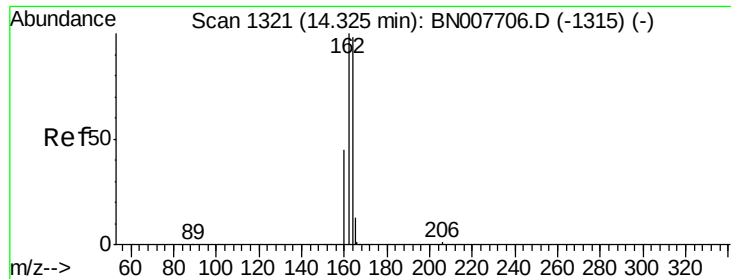
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#12
2-Methylnaphthalene
Concen: 0.064 ng
RT: 12.12 min Scan# 1071
Delta R.T. -0.02 min
Lab File: BN007997.D
Acq: 04 Oct 2019 01:11

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.8	70.6	106.0
115	44.5	28.3	42.5#





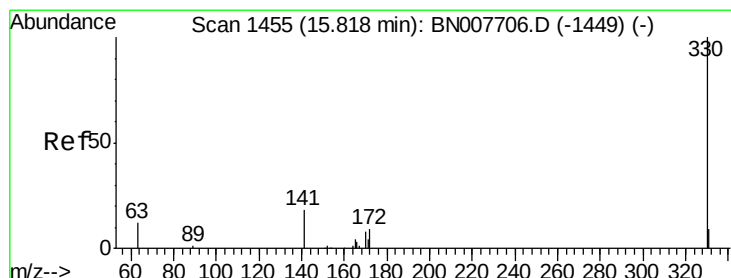
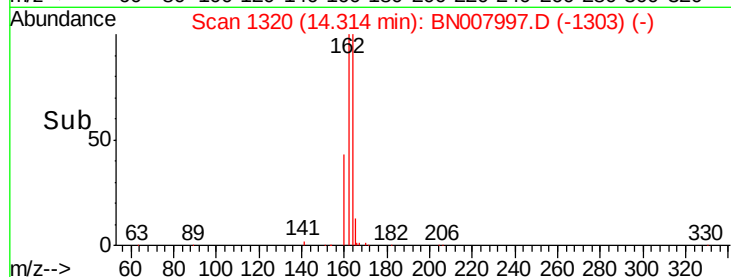
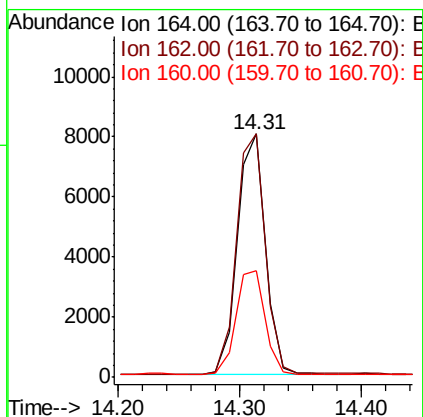
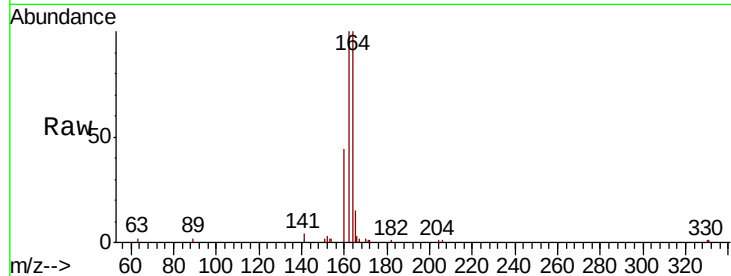
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BN007997.D
Acq: 04 Oct 2019 01:11

Instrument :
BNA_N
ClientSampleId :
PST-024-B262-092519

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.1	81.7	122.5
160	44.0	37.0	55.4

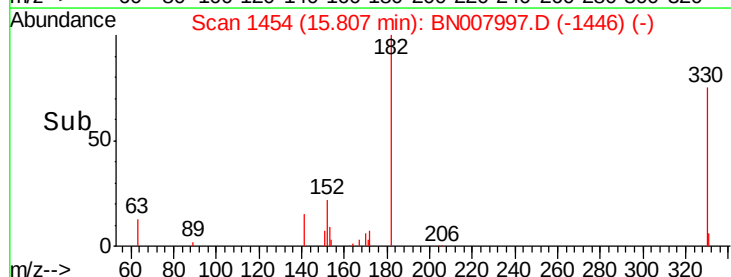
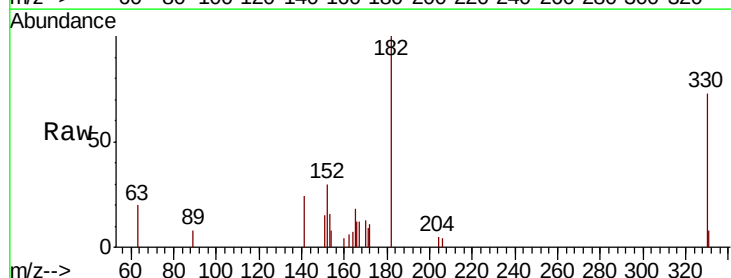
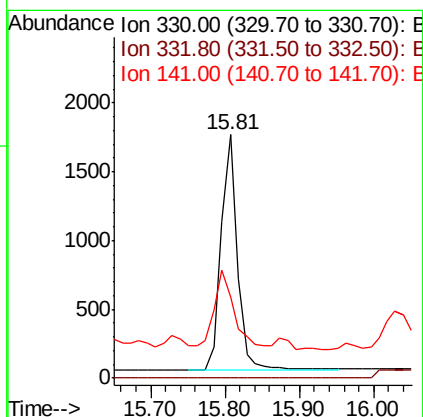
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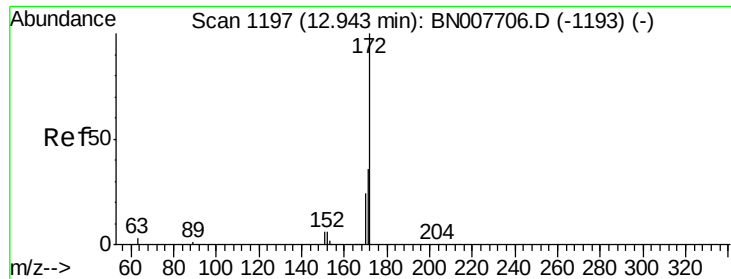
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#14
2,4,6-Tribromophenol
Concen: 0.376 ng
RT: 15.81 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BN007997.D
Acq: 04 Oct 2019 01:11

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	37.3	28.7	43.1





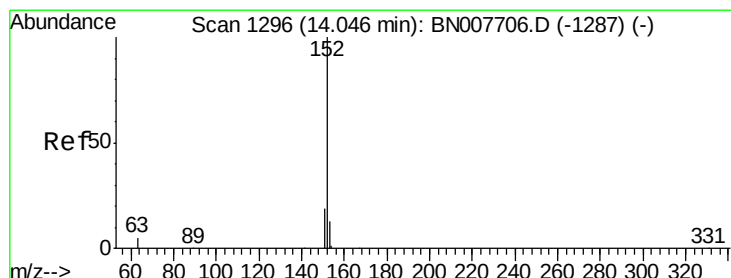
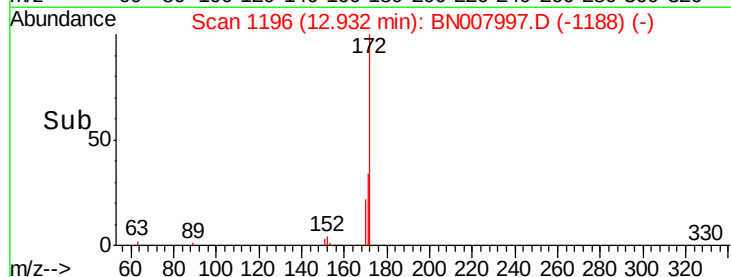
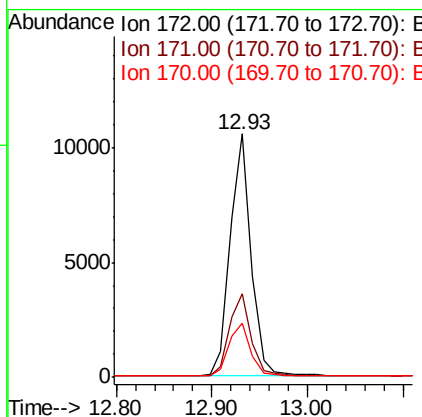
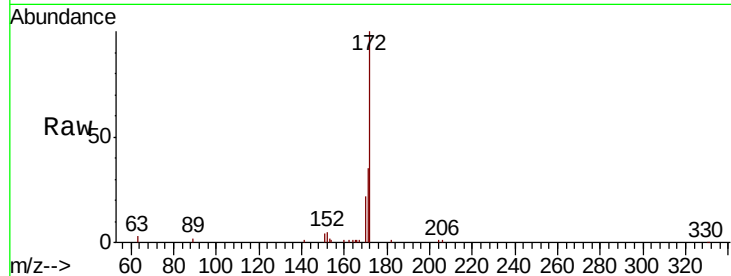
#15
2-Fluorobiphenyl
Concen: 0.305 ng
RT: 12.93 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BN007997.D
Acq: 04 Oct 2019 01:11

Instrument :
BNA_N
ClientSampleId :
PST-024-B262-092519

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.8	43.2
170	22.3	19.5	29.3

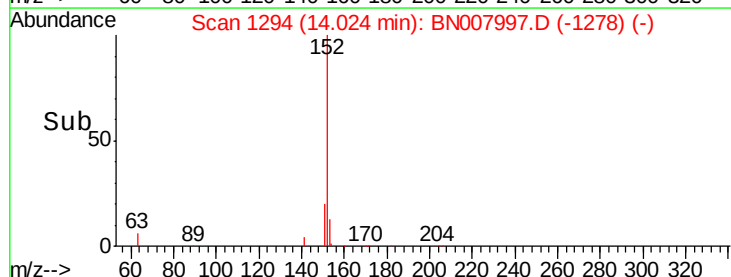
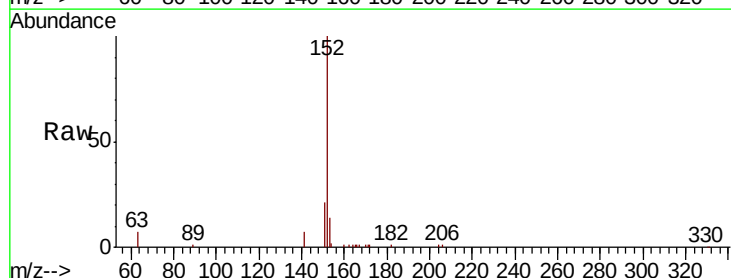
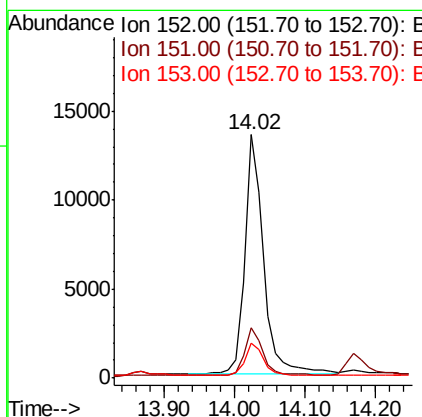
Manual Integrations
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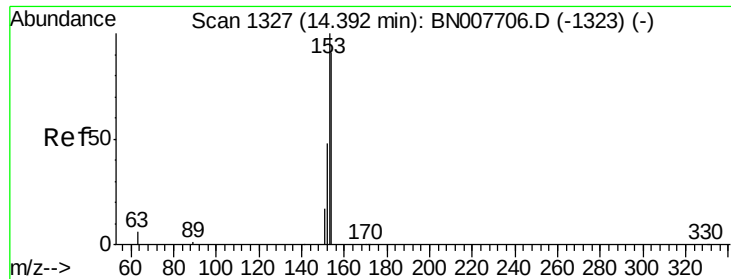
mohammad
10/7/2019 8:27:34 AM



#16
Acenaphthylene
Concen: 0.363 ng
RT: 14.02 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BN007997.D
Acq: 04 Oct 2019 01:11

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.5	23.3
153	13.4	10.4	15.6





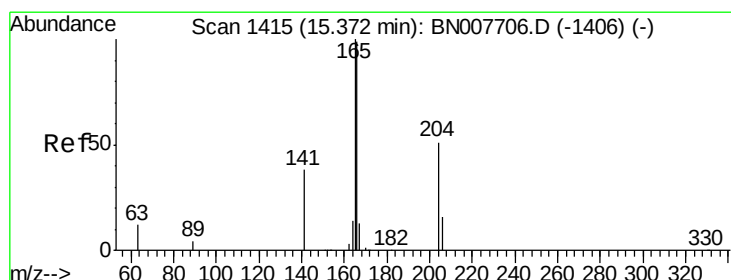
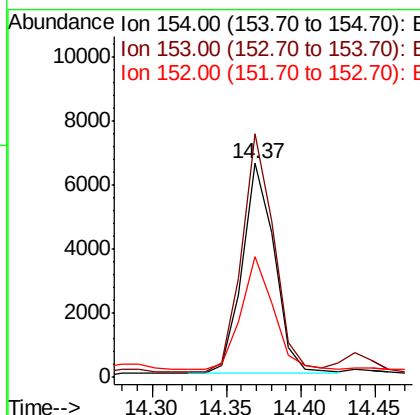
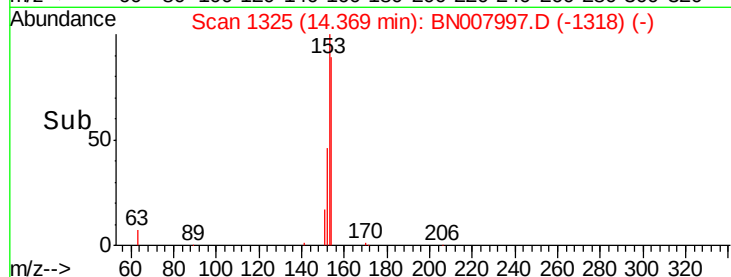
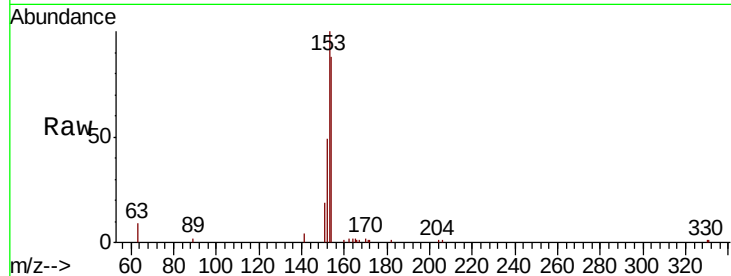
#17
Acenaphthene
Concen: 0.225 ng
RT: 14.37 min Scan# 1325
Delta R.T. -0.02 min
Lab File: BN007997.D
Acq: 04 Oct 2019 01:11

Instrument :
BNA_N
ClientSampleId :
PST-024-B262-092519

Tot Ion	Ratio	Lower	Upper
154	100		
153	113.3	87.0	130.4
152	53.9	42.7	64.1

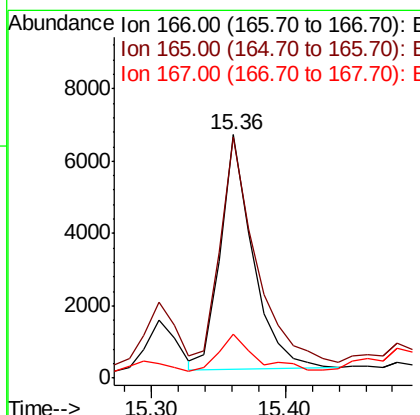
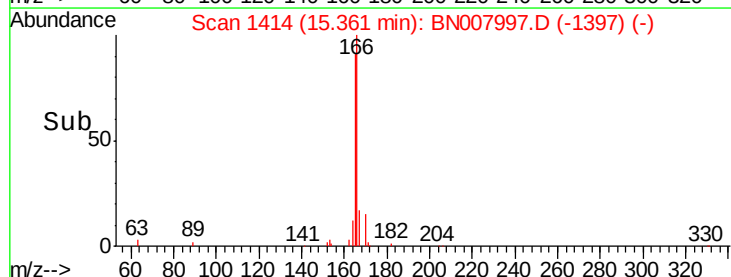
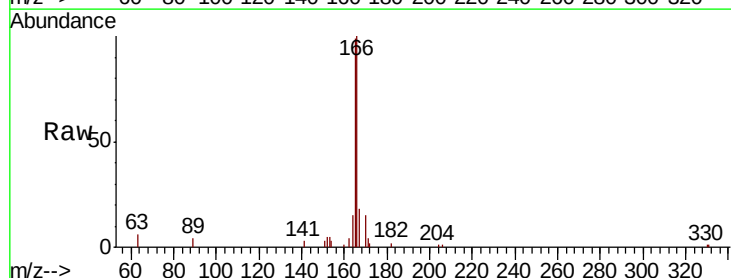
Manual Integrations
APPROVED

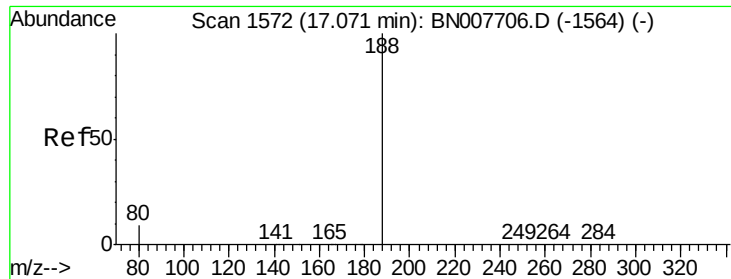
mohammad
10/7/2019 8:27:34 AM



#18
Fluorene
Concen: 0.194 ng
RT: 15.36 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BN007997.D
Acq: 04 Oct 2019 01:11

Tgt Ion	Ratio	Lower	Upper
166	100		
165	106.2	78.0	117.0
167	18.1	10.9	16.3#





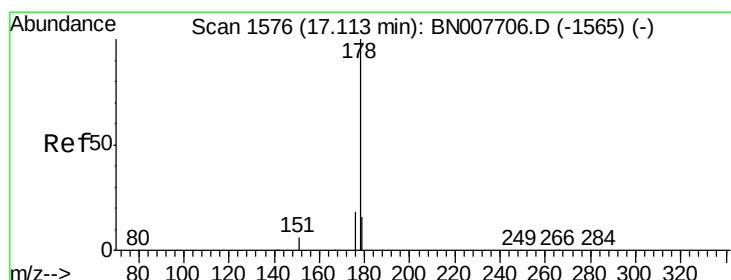
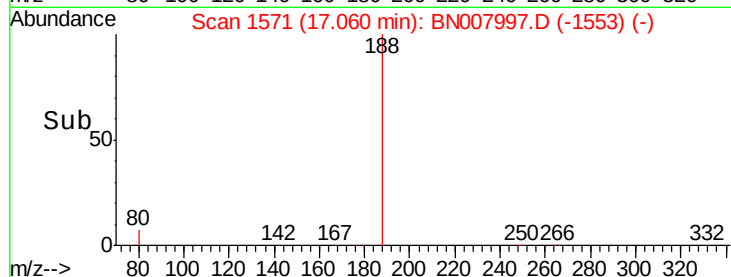
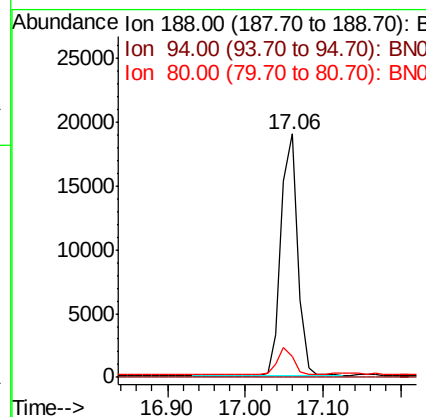
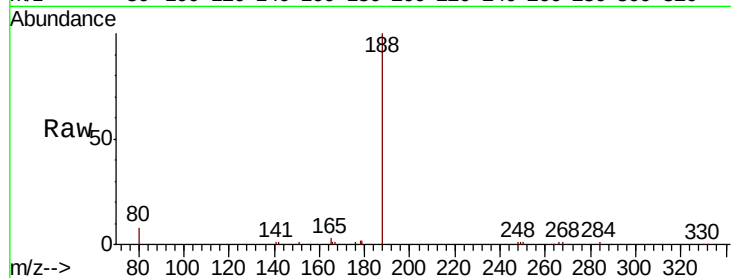
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.06 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BN007997.D
Acq: 04 Oct 2019 01:11

Instrument :
BNA_N
ClientSampleId :
PST-024-B262-092519

Tot Ion:188	Resp:	28444
Ion Ratio	Lower	Upper
188 100		
94 0.0	0.0	0.0
80 8.3	7.4	11.2

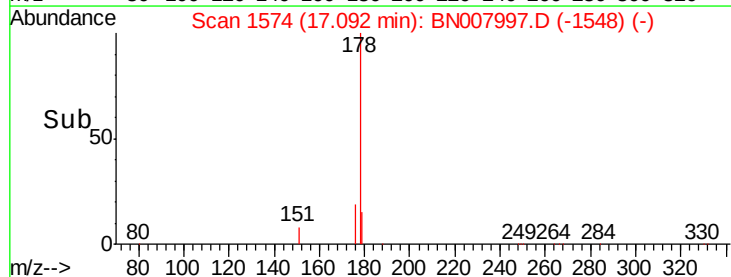
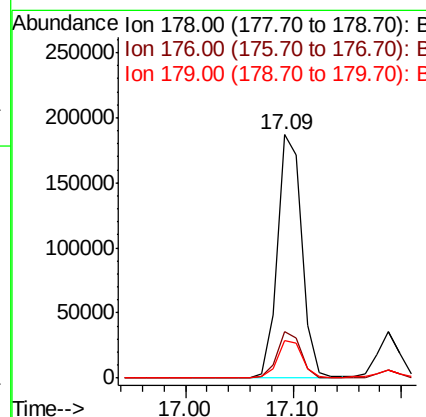
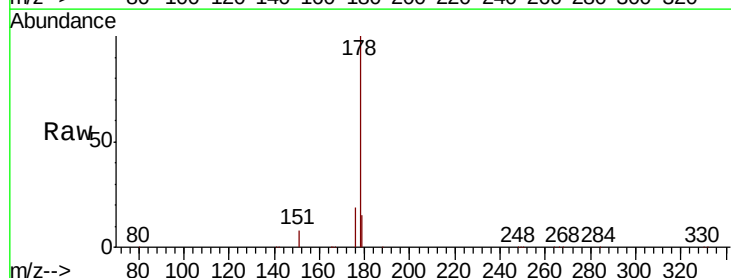
Manual Integrations
APPROVED

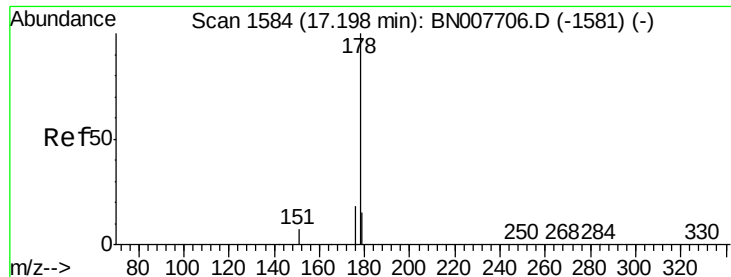
mohammad
10/7/2019 8:27:34 AM



#23
Phenanthrene
Concen: 3.271 ng
RT: 17.09 min Scan# 1574
Delta R.T. -0.02 min
Lab File: BN007997.D
Acq: 04 Oct 2019 01:11

Tgt Ion:178	Resp:	289876
Ion Ratio	Lower	Upper
178 100		
176 18.6	14.9	22.3
179 15.6	12.5	18.7





#24

Anthracene

Concen: 0.610 ng

RT: 17.19 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BN007997.D

Acq: 04 Oct 2019 01:11

Instrument :

BNA_N

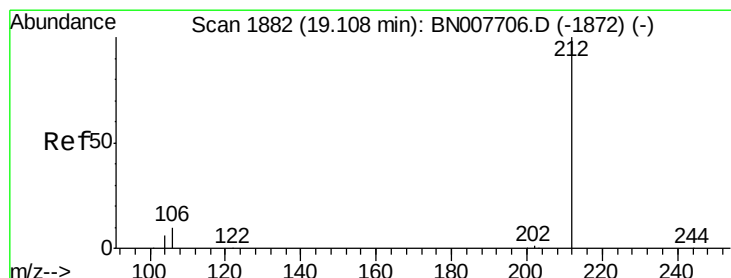
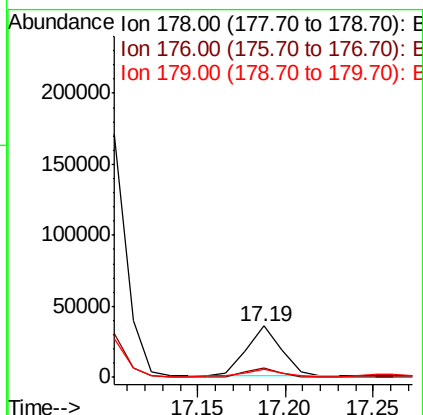
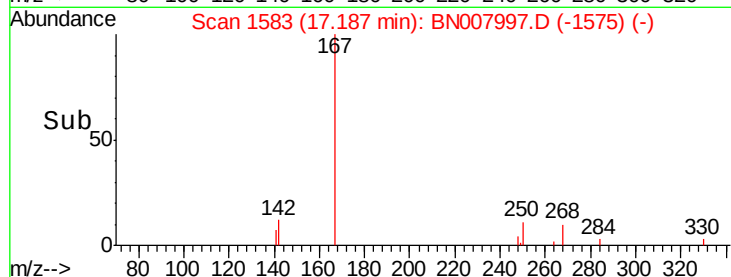
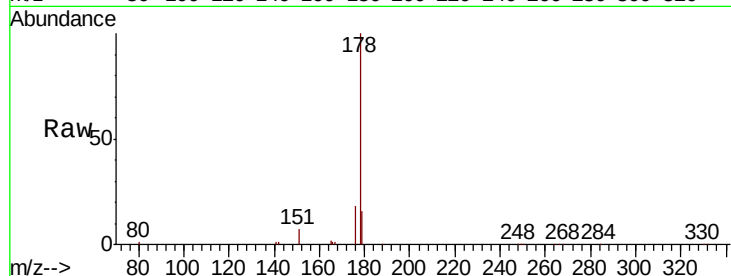
ClientSampleId :

PST-024-B262-092519

Tot Ion:178	Resp:	48787
Ion Ratio	Lower	Upper
178	100	
176	18.0	14.6 21.8
179	15.6	12.2 18.4

Manual Integrations
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#25

Fluoranthene-d10

Concen: 0.352 ng

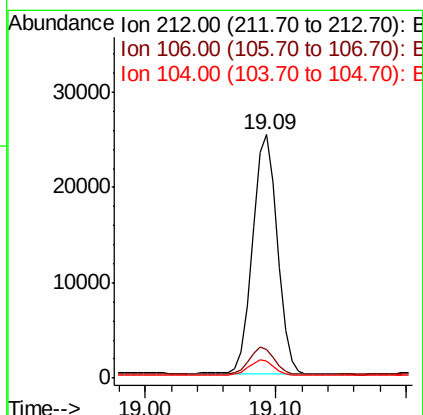
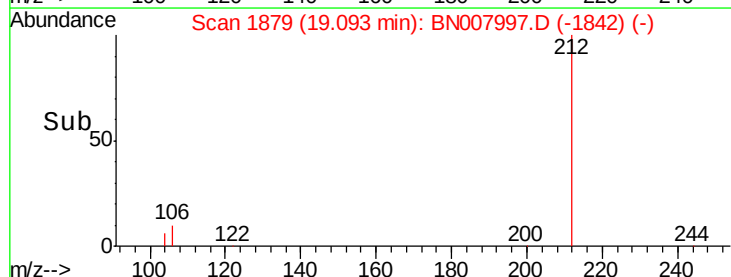
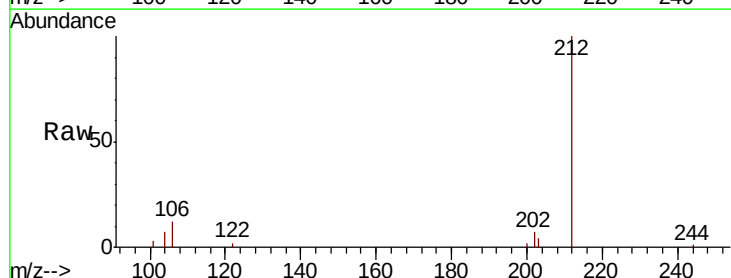
RT: 19.09 min Scan# 1879

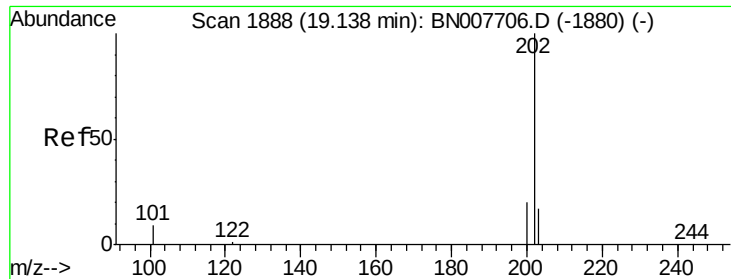
Delta R.T. -0.01 min

Lab File: BN007997.D

Acq: 04 Oct 2019 01:11

Tgt Ion:212	Resp:	33699
Ion Ratio	Lower	Upper
212	100	
106	11.1	9.4 14.0
104	6.7	5.3 7.9





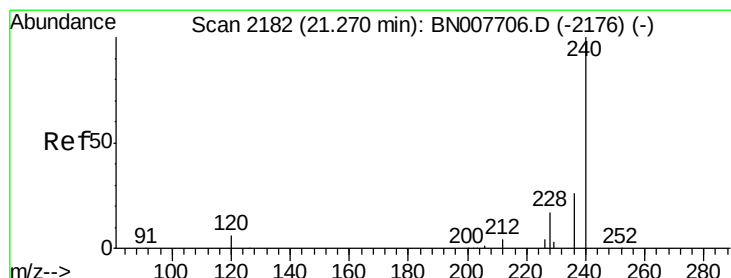
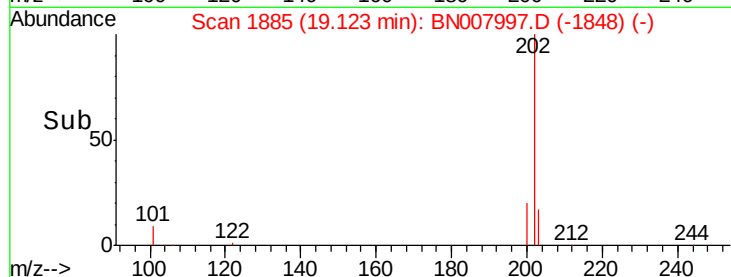
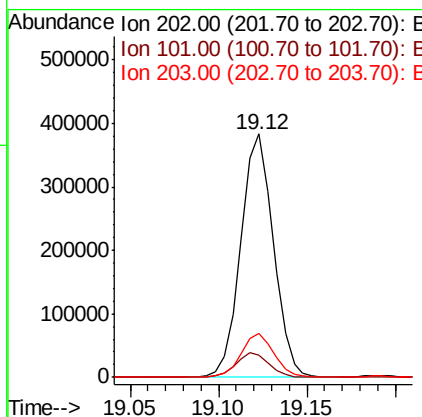
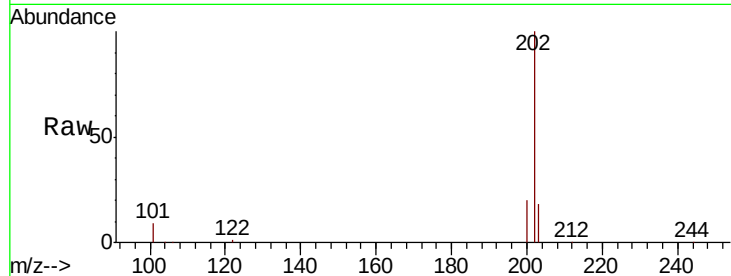
#26
Fluoranthene
 Concen: 4.424 ng
 RT: 19.12 min Scan# 1885
 Delta R.T. -0.02 min
 Lab File: BN007997.D
 Acq: 04 Oct 2019 01:11

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B262-092519

Tot Ion	Ratio	Resp	Lower	Upper
202	100	487400		
101	10.0		8.4	12.6
203	17.6		13.8	20.8

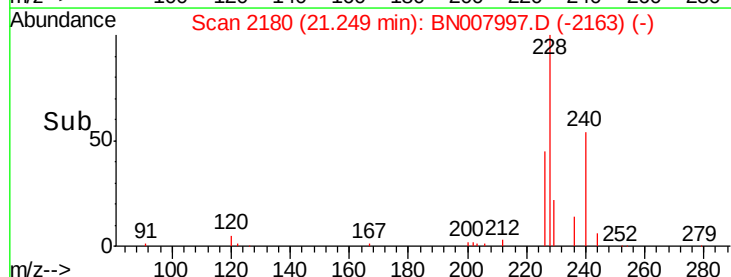
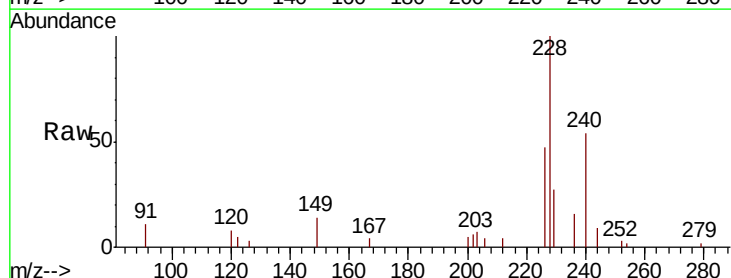
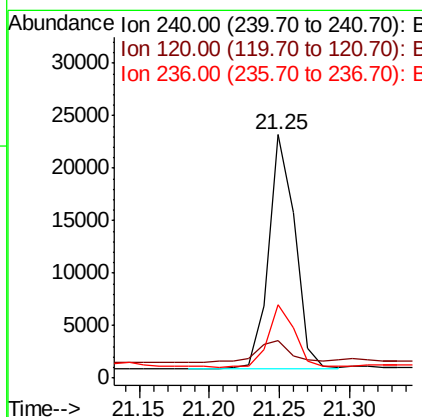
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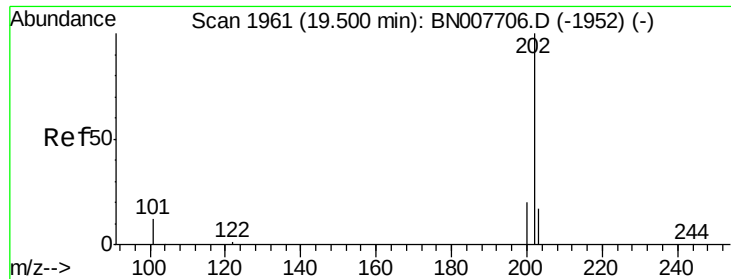
mohammad
 10/7/2019 8:27:34 AM



#27
Chrysene-d12
 Concen: 0.400 ng
 RT: 21.25 min Scan# 2180
 Delta R.T. -0.02 min
 Lab File: BN007997.D
 Acq: 04 Oct 2019 01:11

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	29240		
120	15.4		5.4	8.2#
236	30.0		21.0	31.4





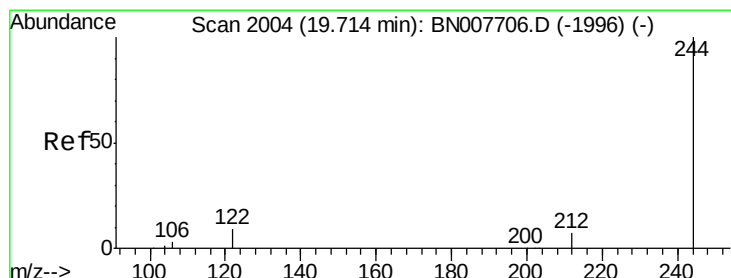
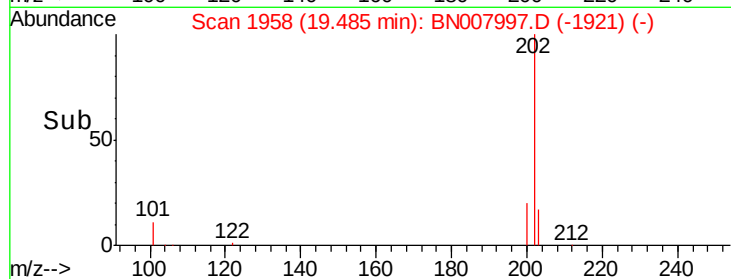
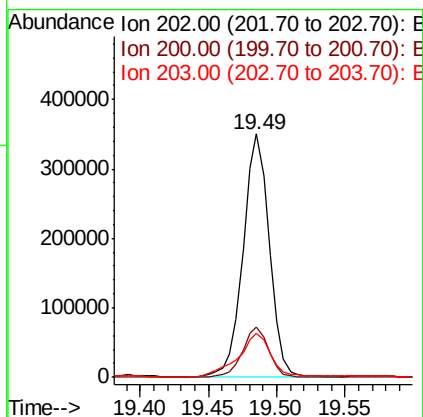
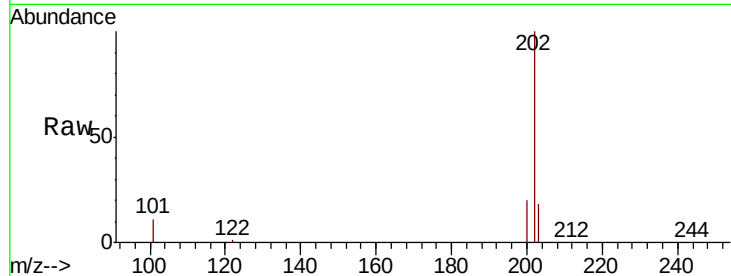
#28
Pvrene
Concen: 4.655 ng
RT: 19.49 min Scan# 1958
Delta R.T. -0.02 min
Lab File: BN007997.D
Acq: 04 Oct 2019 01:11

Instrument :
BNA_N
ClientSampleId :
PST-024-B262-092519

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.5	16.4	24.6
203	21.8	14.1	21.1#

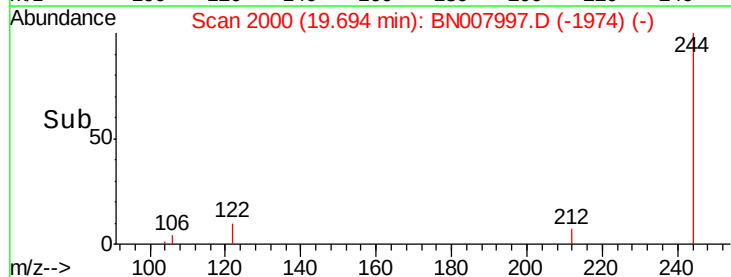
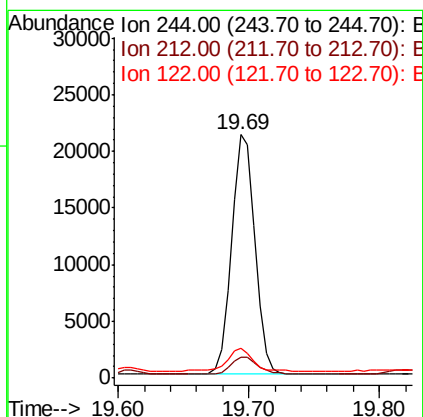
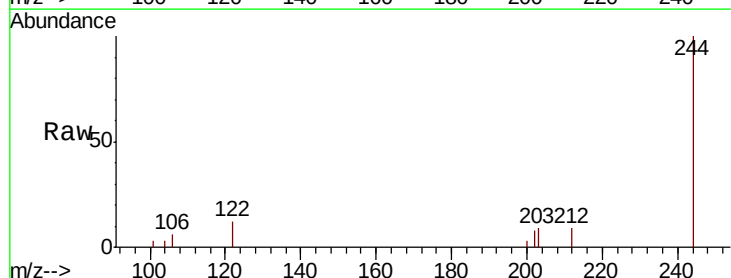
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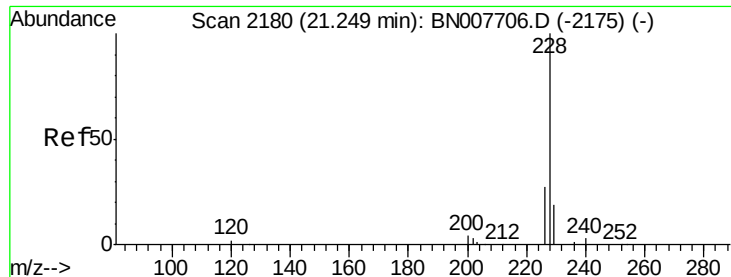
mohammad
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#29
Terphenyl-d14
Concen: 0.370 ng
RT: 19.69 min Scan# 2000
Delta R.T. -0.02 min
Lab File: BN007997.D
Acq: 04 Oct 2019 01:11

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	8.6	5.9	8.9
122	12.4	7.4	11.2#





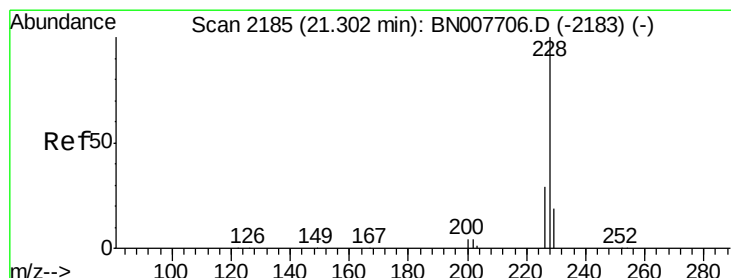
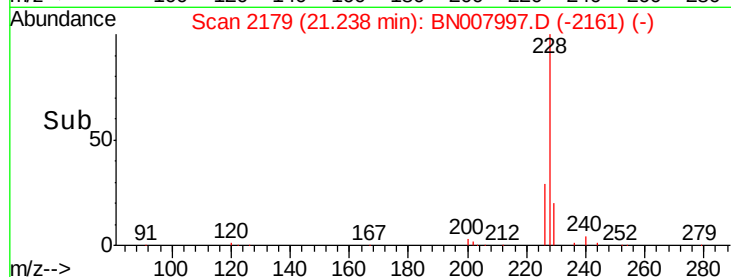
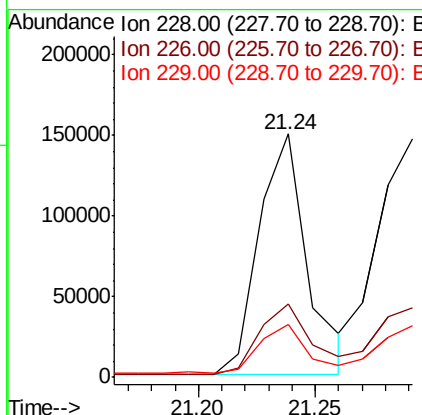
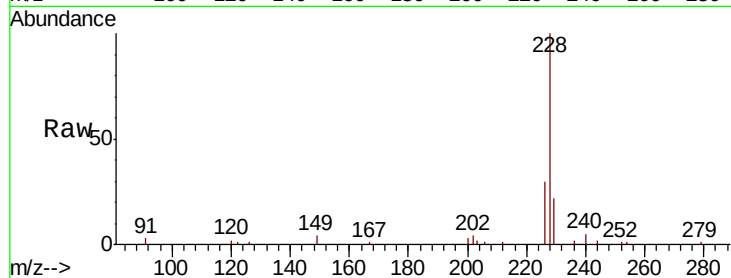
#30
Benzo(a)anthracene
Concen: 2.002 ng
RT: 21.24 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BN007997.D
Acq: 04 Oct 2019 01:11

Instrument :
BNA_N
ClientSampleId :
PST-024-B262-092519

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.1	33.1
229	21.8	15.8	23.6

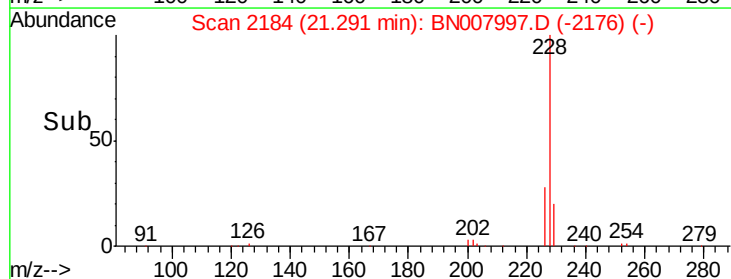
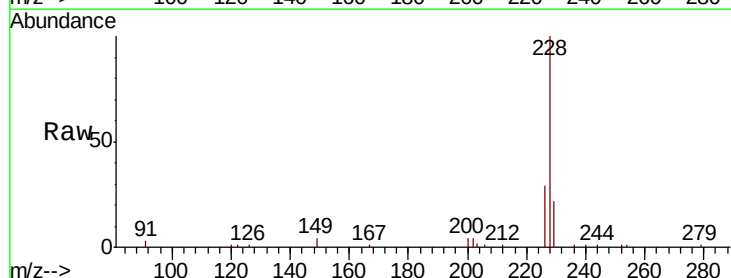
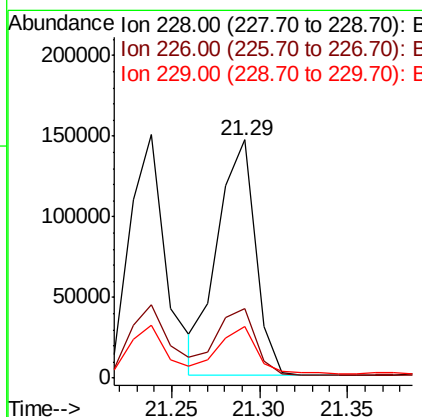
Manual Integrations
APPROVED

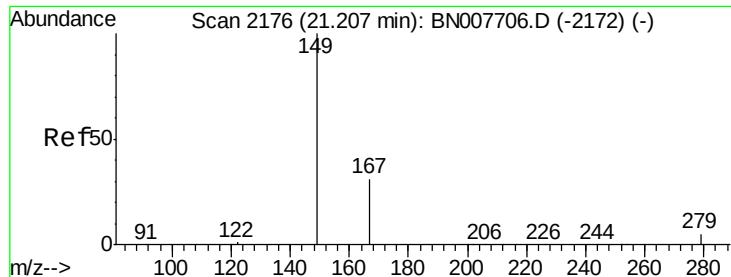
mohammad
10/7/2019 8:27:34 AM



#31
Chrysene
Concen: 2.077 ng
RT: 21.29 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BN007997.D
Acq: 04 Oct 2019 01:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.9	35.9
229	21.5	15.8	23.6





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.293 ng

RT: 21.17 min Scan# 2173

Delta R.T. -0.03 min

Lab File: BN007997.D

Acq: 04 Oct 2019 01:11

Instrument :

BNA_N

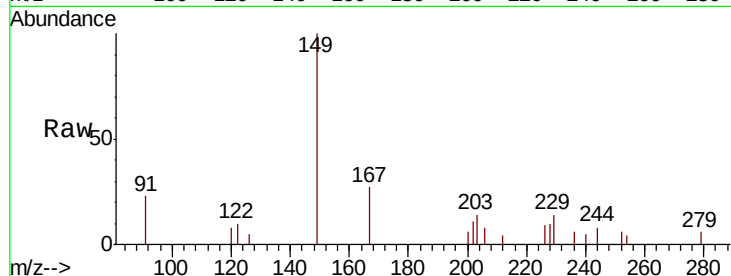
ClientSampleId :

PST-024-B262-092519

Tot Ion:	149	Resp:	16248
Ion Ratio	Lower	Upper	
149	100		
167	27.1	23.7	35.5
279	5.4	4.2	6.2

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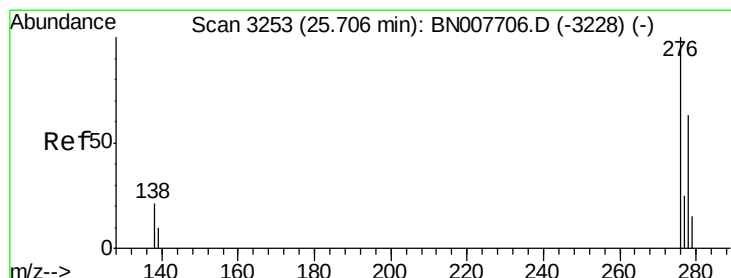
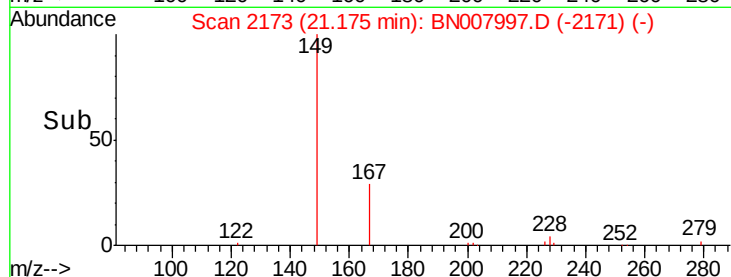
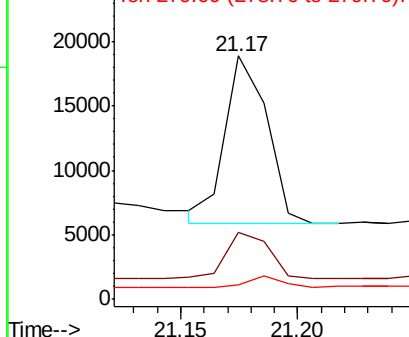


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#33

Indeno(1,2,3-cd)pyrene

Concen: 1.089 ng

RT: 25.68 min Scan# 3244

Delta R.T. -0.03 min

Lab File: BN007997.D

Acq: 04 Oct 2019 01:11

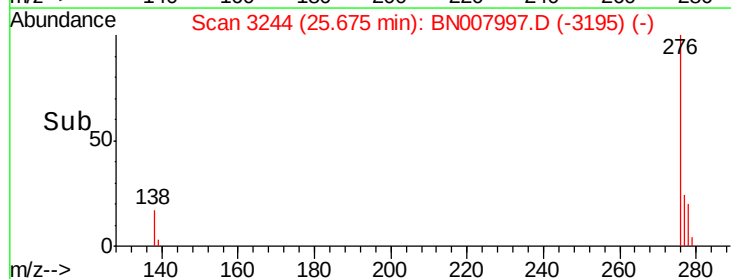
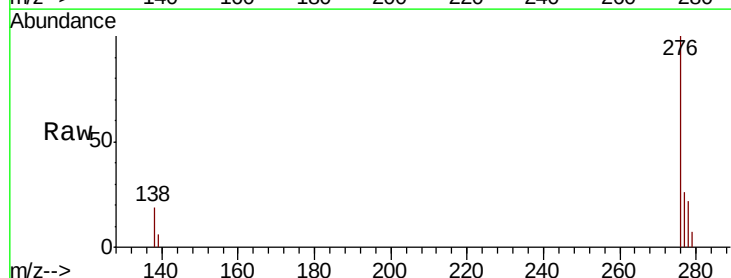
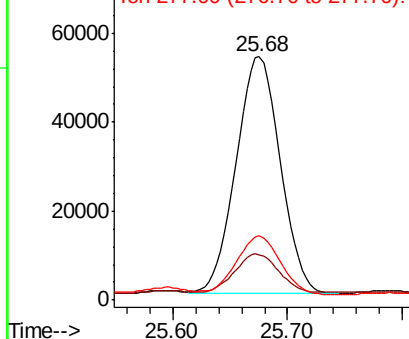
Tgt Ion:	276	Resp:	143039
Ion Ratio	Lower	Upper	
276	100		
138	15.8	17.1	25.7#
277	24.7	20.0	30.0

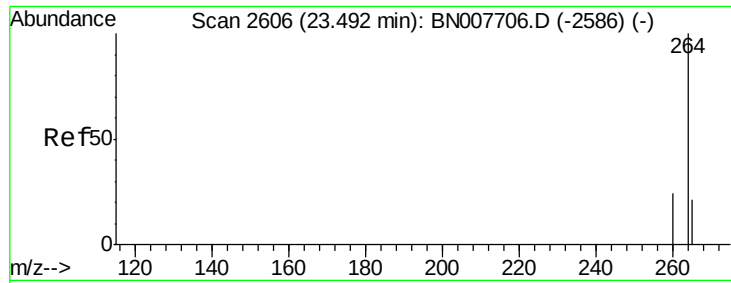
Abundance

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





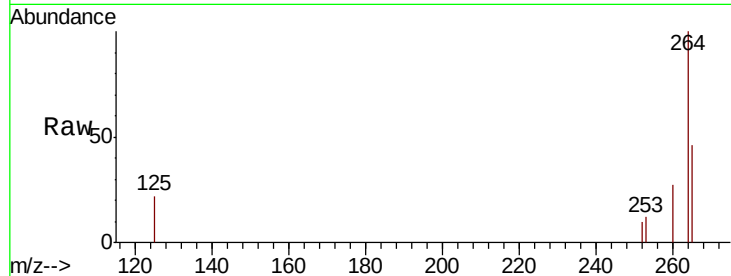
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.47 min Scan# 2599
Delta R.T. -0.02 min
Lab File: BN007997.D
Acq: 04 Oct 2019 01:11

Instrument :
BNA_N
ClientSampleId :
PST-024-B262-092519

Tot Ion	Ratio	Lower	Upper
264	100		
260	27.2	19.3	28.9
265	46.0	26.9	40.3

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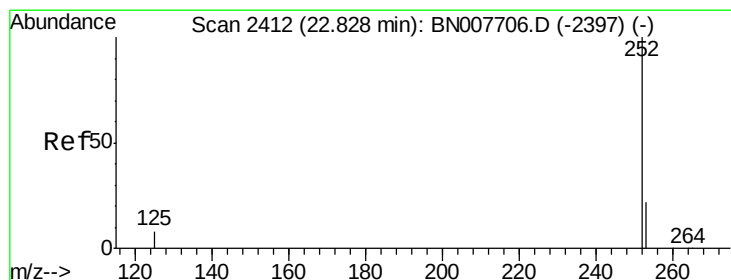
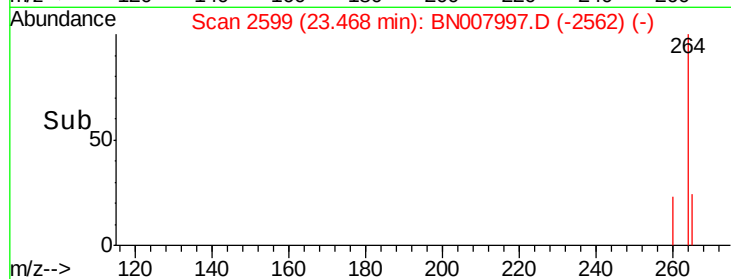
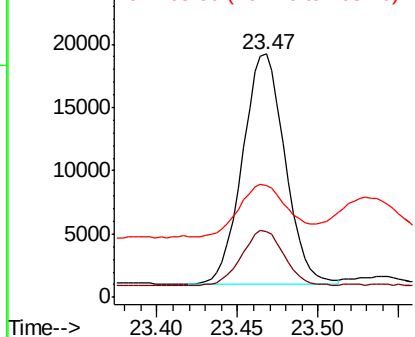


Abundance

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



#35
Benzo(b)fluoranthene
Concen: 2.478 ng
RT: 22.81 min Scan# 2406
Delta R.T. -0.02 min
Lab File: BN007997.D
Acq: 04 Oct 2019 01:11

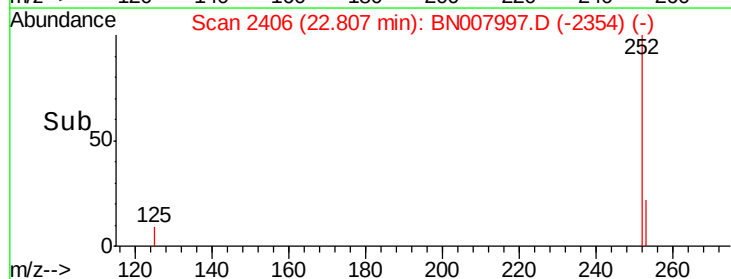
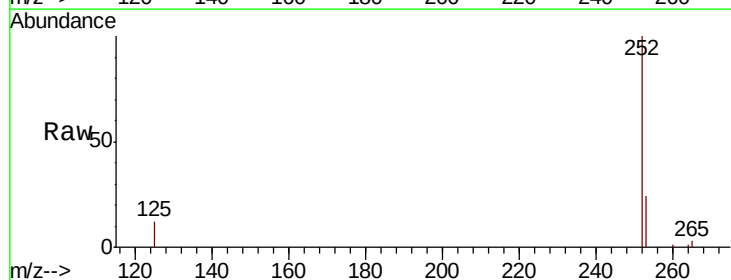
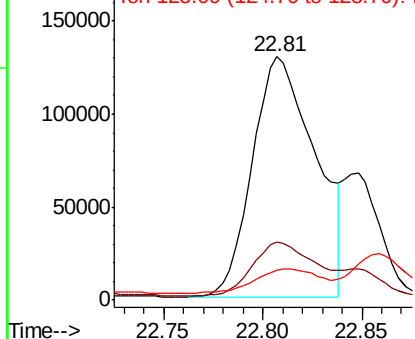
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.3	27.5
125	12.1	8.2	12.4

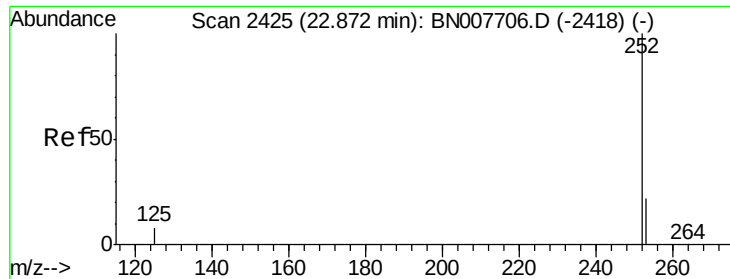
Abundance

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





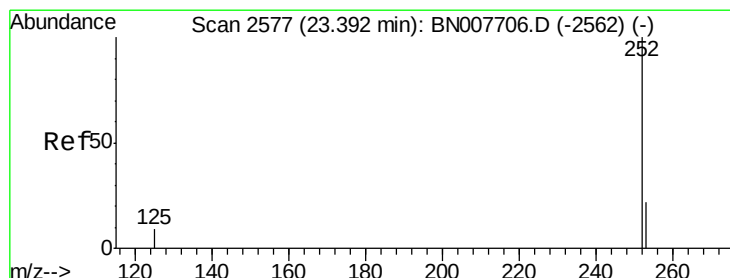
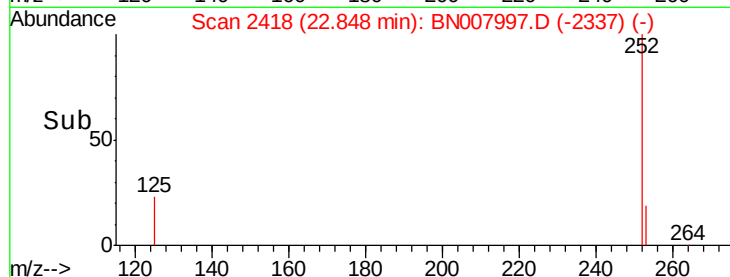
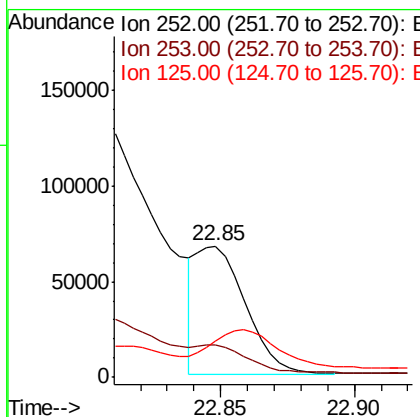
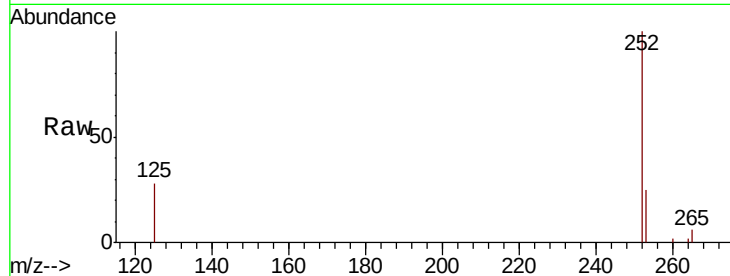
#36
Benzo(k)fluoranthene
Concen: 0.752 ng m
RT: 22.85 min Scan# 2418
Delta R.T. -0.02 min
Lab File: BN007997.D
Acq: 04 Oct 2019 01:11

Instrument :
BNA_N
ClientSampleId :
PST-024-B262-092519

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.5	27.7
125	28.0	8.4	12.6

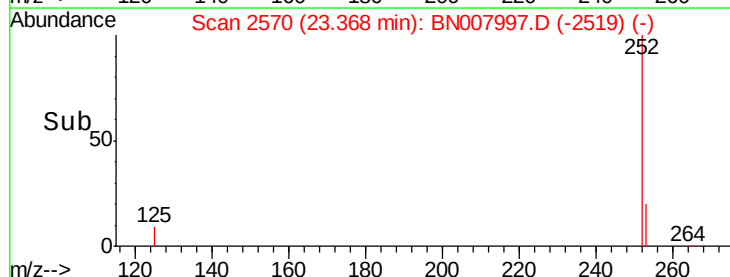
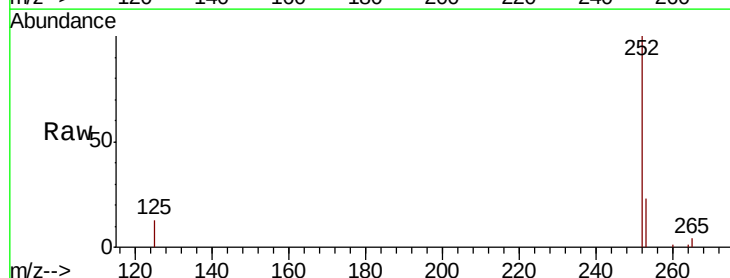
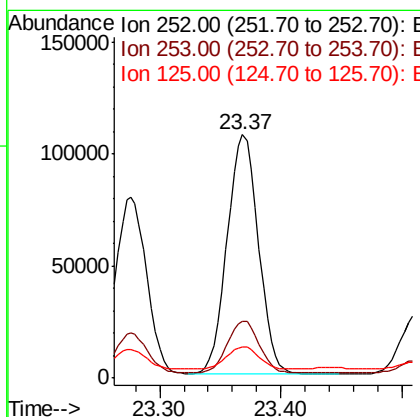
Manual Integrations
APPROVED

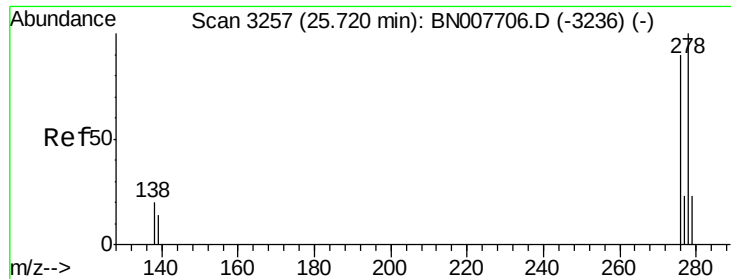
mohammad
10/7/2019 8:27:34 AM



#37
Benzo(a)pyrene
Concen: 1.776 ng
RT: 23.37 min Scan# 2570
Delta R.T. -0.02 min
Lab File: BN007997.D
Acq: 04 Oct 2019 01:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.6	27.8
125	12.8	9.4	14.0





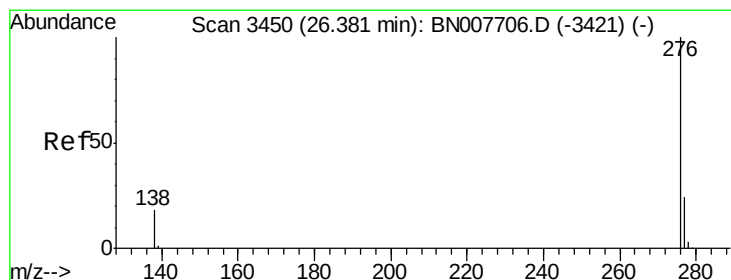
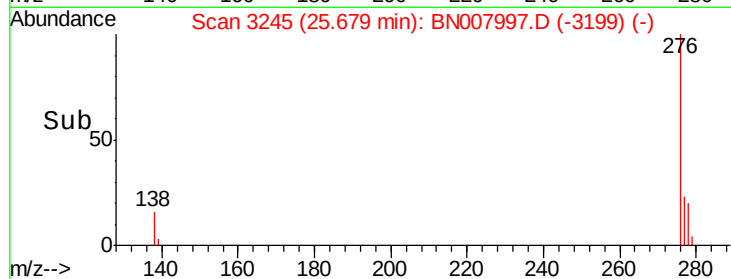
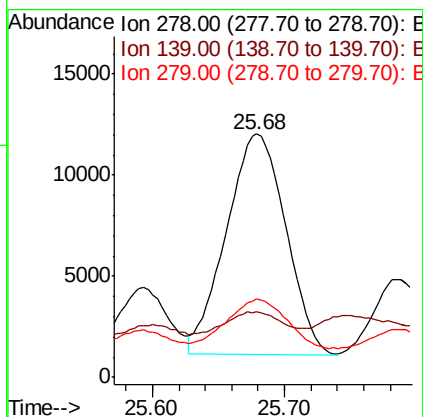
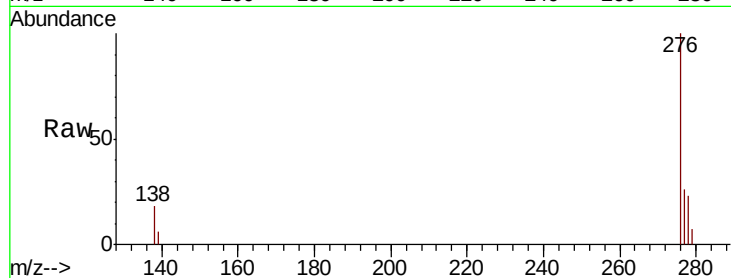
#38
Dibenzo(a,h)anthracene
Concen: 0.310 ng
RT: 25.68 min Scan# 3245
Delta R.T. -0.04 min
Lab File: BN007997.D
Acq: 04 Oct 2019 01:11

Instrument :
BNA_N
ClientSampleId :
PST-024-B262-092519

Tot Ion	Ratio	Lower	Upper
278	100		
139	27.2	11.8	17.6#
279	32.0	19.4	29.2#

Manual Integrations
APPROVED

mohammad
10/7/2019 8:27:34 AM



#39
Benzo(g,h,i)perylene
Concen: 1.354 ng
RT: 26.35 min Scan# 3441
Delta R.T. -0.03 min
Lab File: BN007997.D
Acq: 04 Oct 2019 01:11

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.8	29.8
138	19.0	15.1	22.7

