

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100519\
 Data File : BN008037.D
 Acq On : 05 Oct 2019 21:49
 Operator : JU
 Sample : K5077-11DL 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-024-SW075-092519DL

Manual Integrations
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Quant Time: Oct 07 07:06:37 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	3789	0.40	ng	-0.02
7) Naphthalene-d8	10.44	136	15138	0.40	ng	-0.03
13) Acenaphthene-d10	14.30	164	9588	0.40	ng	-0.02
19) Phenanthrene-d10	17.05	188	19638	0.40	ng	-0.02
27) Chrysene-d12	21.25	240	20620	0.40	ng	-0.02
34) Perylene-d12	23.47	264	23293	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.31	112	2178	0.17	ng	0.00
5) Phenol-d6	6.88	99	2922	0.18	ng	0.00
8) Nitrobenzene-d5	8.82	82	2255	0.17	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	4661	0.18	ng	-0.02
14) 2,4,6-Tribromophenol	15.81	330	1029	0.20	ng	-0.01
15) 2-Fluorobiphenyl	12.92	172	6155	0.16	ng	-0.02
25) Fluoranthene-d10	19.09	212	12164	0.18	ng	-0.02
29) Terphenyl-d14	19.69	244	9750	0.19	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.49	128	9650	0.227	ng	96
12) 2-Methylnaphthalene	12.12	142	4962	0.173	ng	97
16) Acenaphthylene	14.02	152	18592	0.366	ng	99
17) Acenaphthene	14.37	154	9954	0.304	ng	95
18) Fluorene	15.36	166	21192	0.504	ng	94
23) Phenanthrene	17.09	178	319938	5.230	ng	100
24) Anthracene	17.19	178	64394	1.165	ng	# 93
26) Fluoranthene	19.12	202	422731	5.557	ng	99
28) Pyrene	19.49	202	340347	4.840	ng	# 96
30) Benzo(a)anthracene	21.24	228	199057	2.621	ng	98
31) Chrysene	21.29	228	175242	2.368	ng	96
32) Bis(2-ethylhexyl)phthalate	21.17	149	3330	0.085	ng	# 97
33) Indeno(1,2,3-cd)pyrene	25.68	276	101867	1.099	ng	# 96
35) Benzo(b)fluoranthene	22.81	252	224232	2.773	ng	# 96
36) Benzo(k)fluoranthene	22.85	252	77812m	0.973	ng	
37) Benzo(a)pyrene	23.37	252	148140	1.949	ng	97
38) Dibenzo(a,h)anthracene	25.68	278	28895	0.372	ng	# 77
39) Benzo(g,h,i)perylene	26.36	276	92323	1.200	ng	97

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

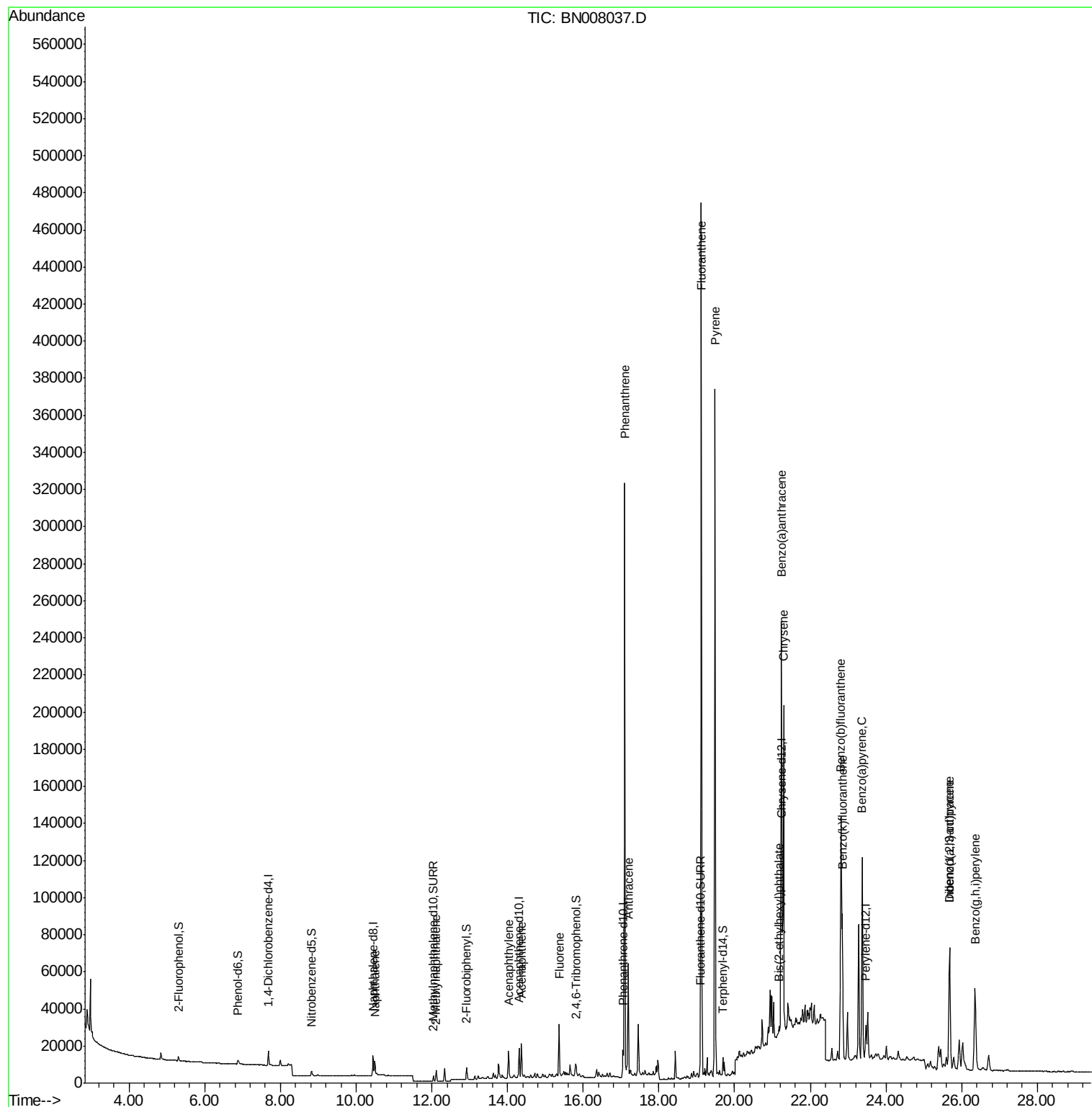
Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN100519\
Data File : BN008037.D
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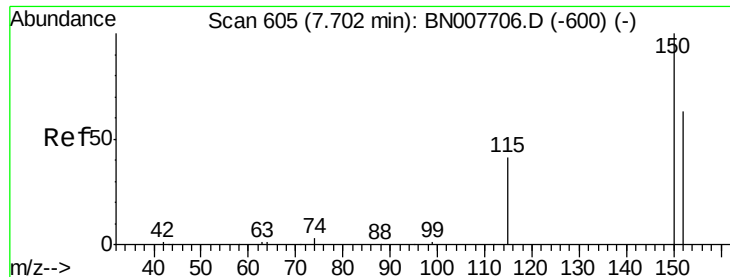
Instrument :
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EXT-024-SW075-092519DL

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Quant Time: Oct 07 07:06:37 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
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#1

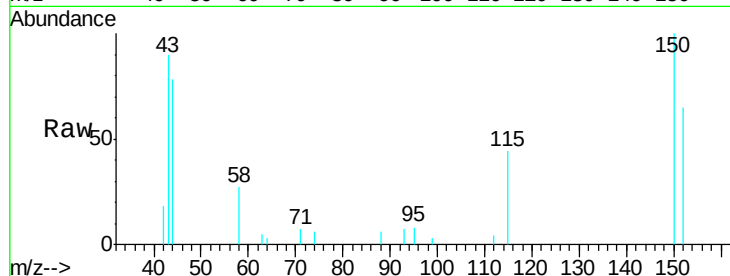
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.68 min Scan# 602
Delta R.T. -0.02 min
Lab File: BN008037.D
Acq: 05 Oct 2019 21:49

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW075-092519DL

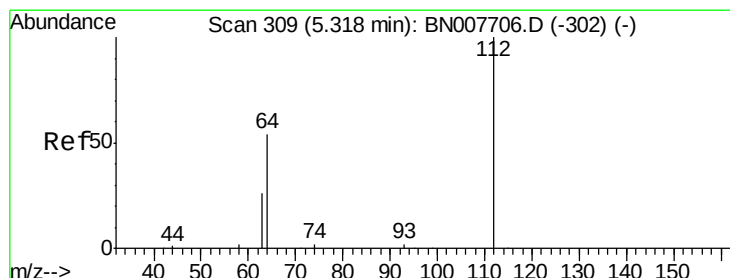
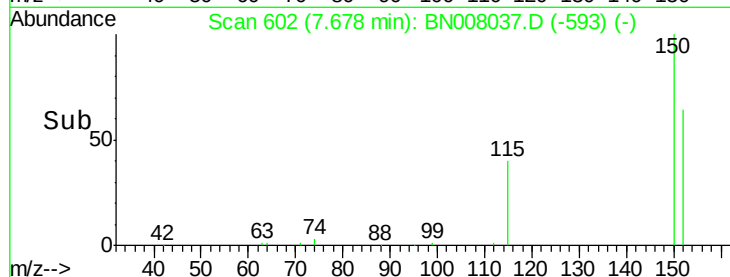
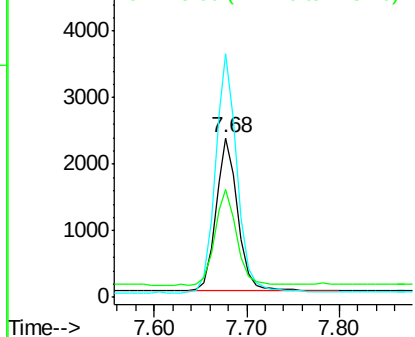
Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.9	125.6	188.4
115	67.4	53.3	79.9

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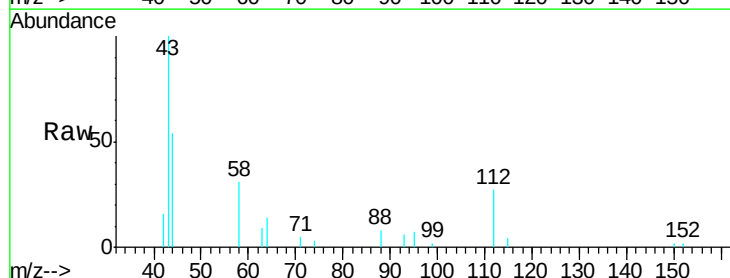
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



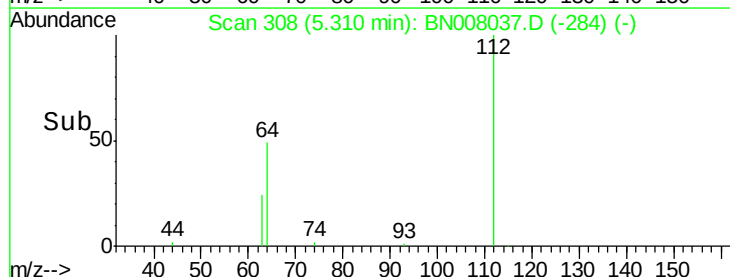
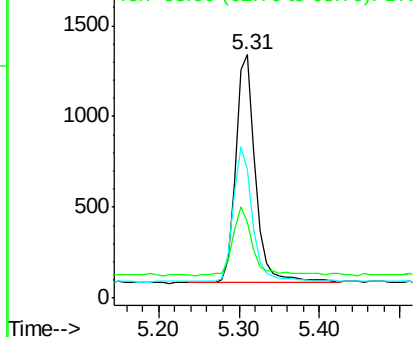
#4

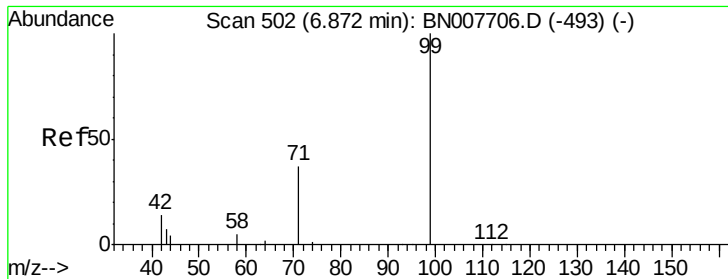
2-Fluorophenol
Concen: 0.167 ng
RT: 5.31 min Scan# 308
Delta R.T. -0.01 min
Lab File: BN008037.D
Acq: 05 Oct 2019 21:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.3	46.6	70.0
63	32.0	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: 0.176 ng

RT: 6.88 min Scan# 503

Delta R.T. 0.01 min

Lab File: BN008037.D

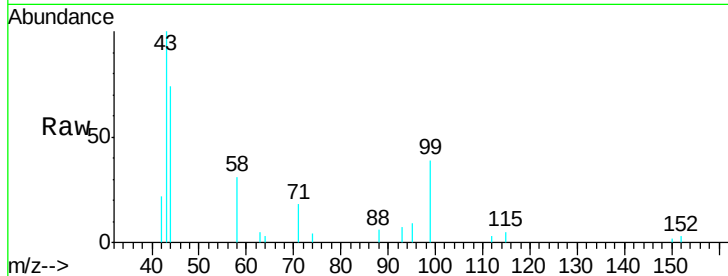
Acq: 05 Oct 2019 21:49

Instrument :

BNA_N

ClientSampleId :

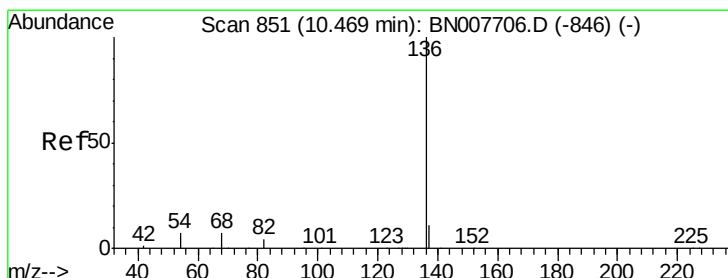
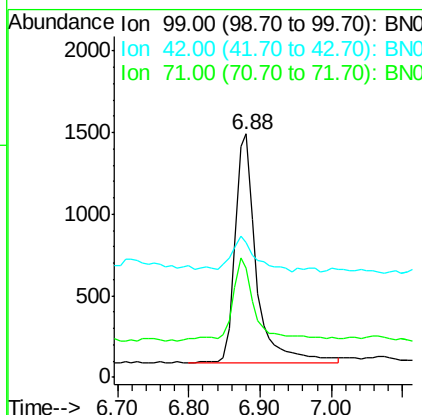
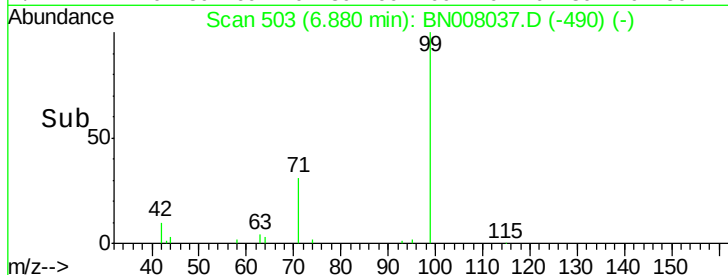
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Tgt Ion	Ratio	Lower	Upper
99	100		
42	17.8	12.8	19.2
71	35.4	27.6	41.4

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#7

Naphthalene-d8

Concen: 0.400 ng

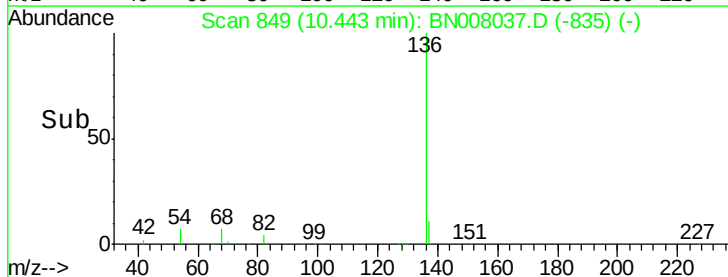
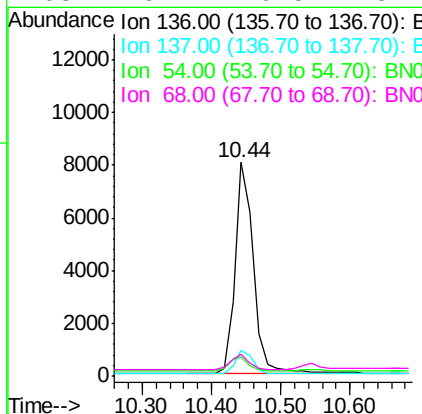
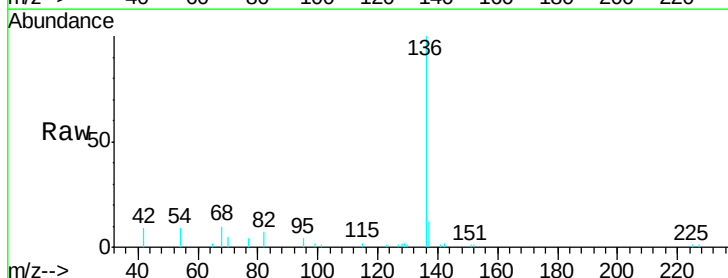
RT: 10.44 min Scan# 849

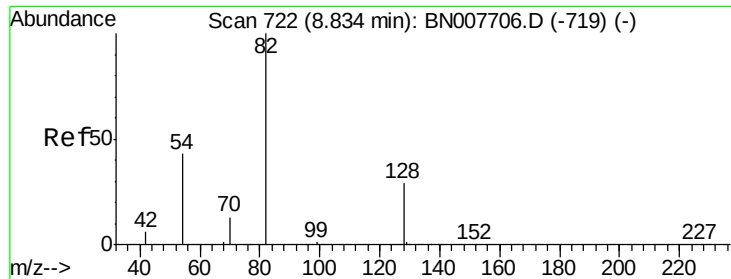
Delta R.T. -0.03 min

Lab File: BN008037.D

Acq: 05 Oct 2019 21:49

Tgt Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.2	13.8
54	9.0	5.8	8.8#
68	10.1	6.5	9.7#





#8

Nitrobenzene-d5

Concen: 0.170 ng

RT: 8.82 min Scan# 721

Delta R.T. -0.01 min

Lab File: BN008037.D

Acq: 05 Oct 2019 21:49

Instrument :

BNA_N

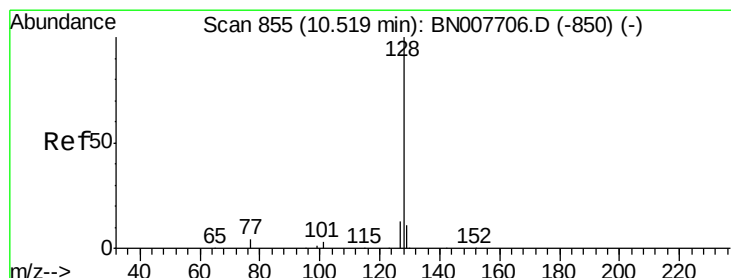
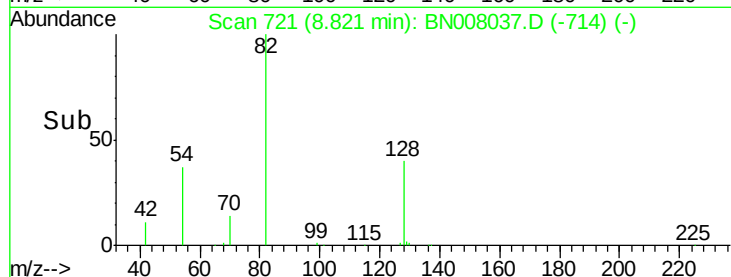
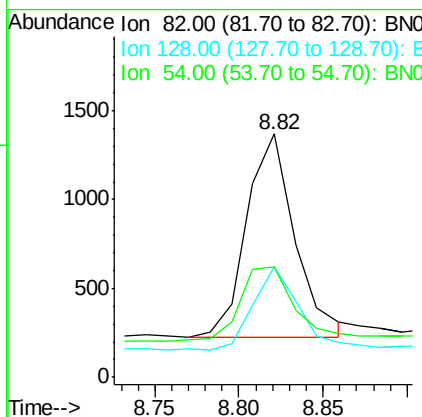
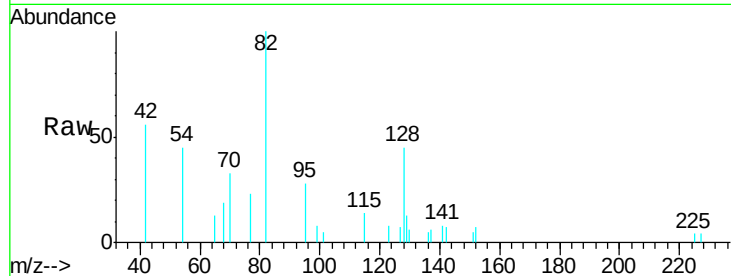
ClientSampleId :

EXT-024-SW075-092519DL

Tgt Ion:	82	Resp:	2255
Ion Ratio	Lower	Upper	
82	100		
128	45.2	24.5	36.7#
54	45.3	35.2	52.8

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#9

Naphthalene

Concen: 0.227 ng

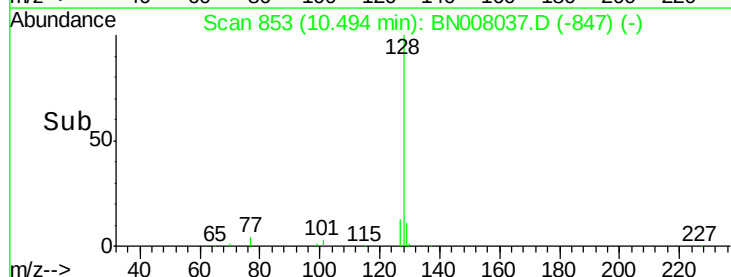
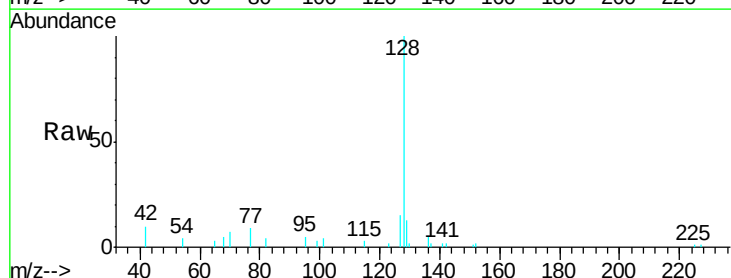
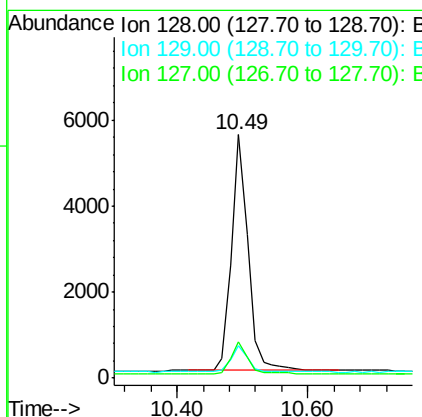
RT: 10.49 min Scan# 853

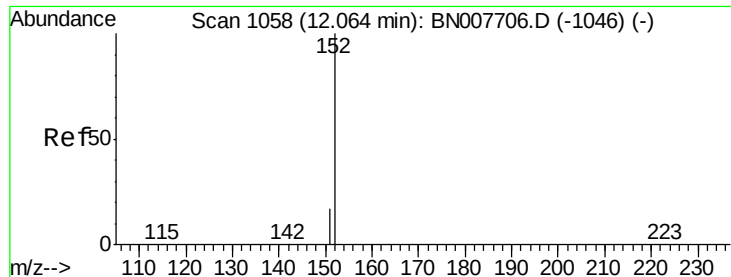
Delta R.T. -0.03 min

Lab File: BN008037.D

Acq: 05 Oct 2019 21:49

Tgt Ion:	128	Resp:	9650
Ion Ratio	Lower	Upper	
128	100		
129	13.2	9.1	13.7
127	14.7	10.6	15.8





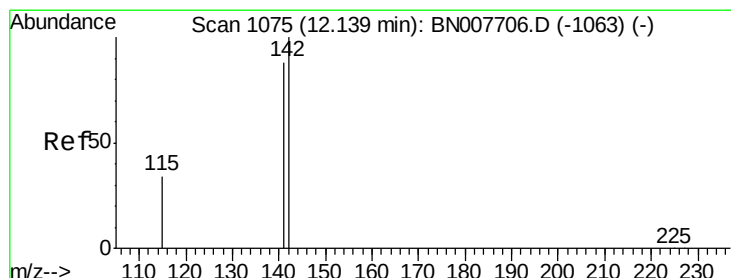
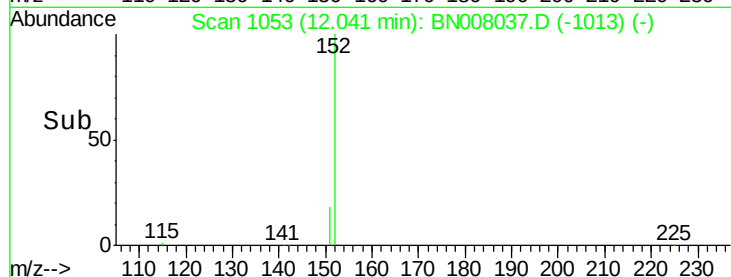
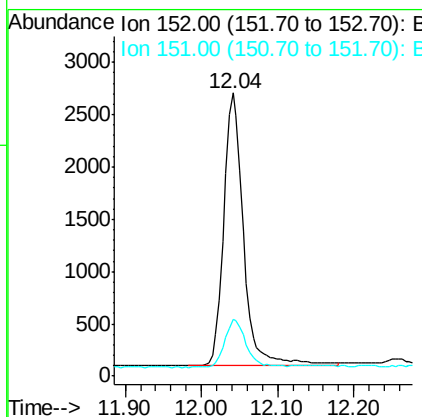
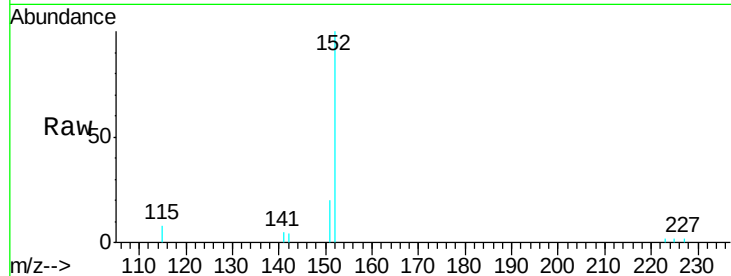
#11
2-Methylnaphthalene-d10
Concen: 0.183 ng
RT: 12.04 min Scan# 1053
Delta R.T. -0.02 min
Lab File: BN008037.D
Acq: 05 Oct 2019 21:49

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW075-092519DL

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.7	15.4	23.2

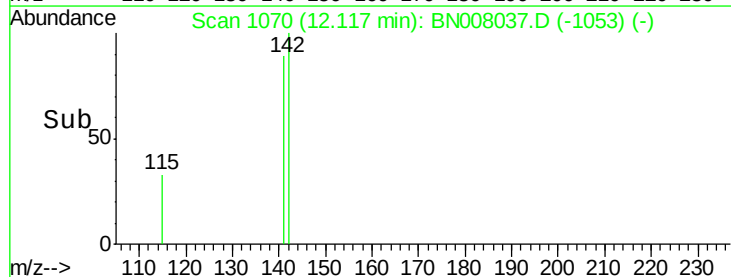
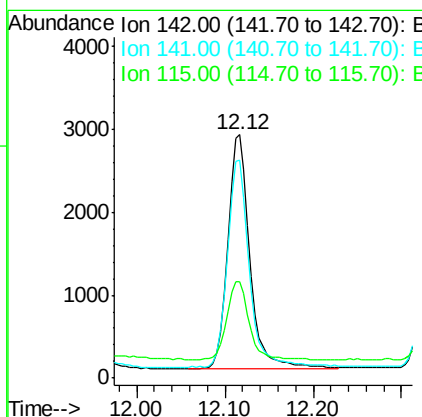
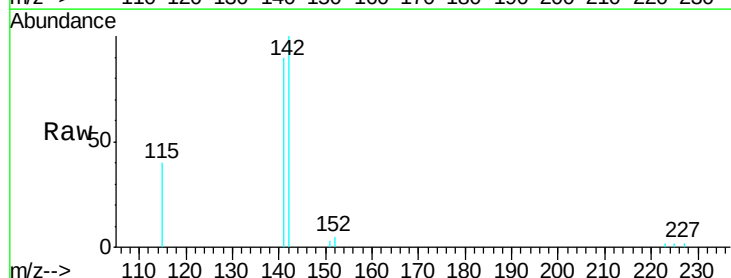
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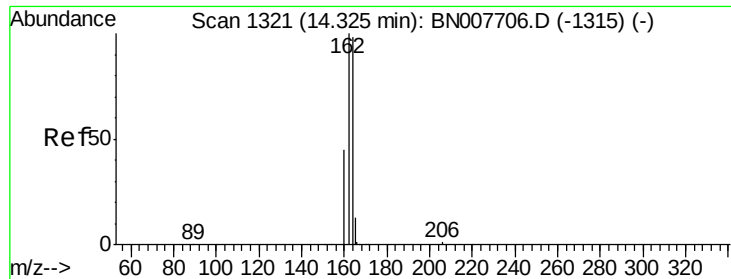
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#12
2-Methylnaphthalene
Concen: 0.173 ng
RT: 12.12 min Scan# 1070
Delta R.T. -0.02 min
Lab File: BN008037.D
Acq: 05 Oct 2019 21:49

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.6	70.6	106.0
115	39.7	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: BN008037.D

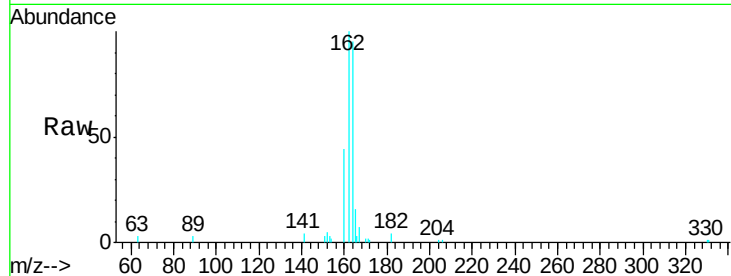
Acq: 05 Oct 2019 21:49

Instrument :

BNA_N

ClientSampleId :

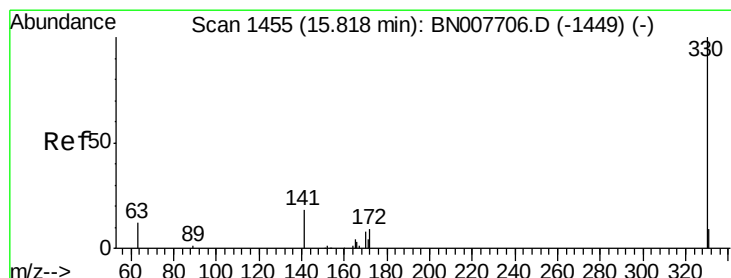
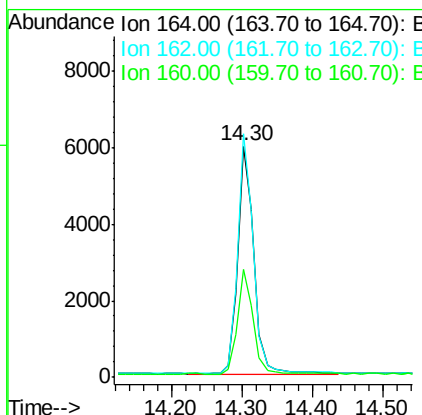
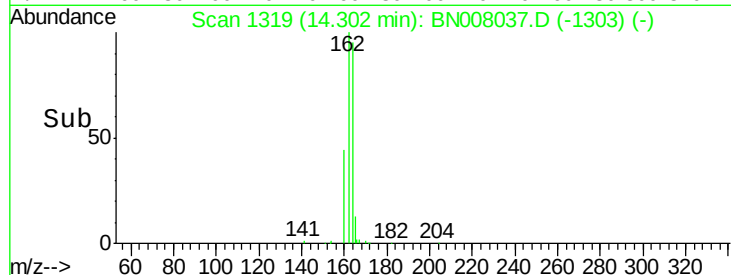
EXT-024-SW075-092519DL



Tgt Ion:	164	Resp:	9588
Ion Ratio	Lower	Upper	
164	100		
162	105.3	81.7	122.5
160	46.6	37.0	55.4

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#14

2,4,6-Tribromophenol

Concen: 0.197 ng

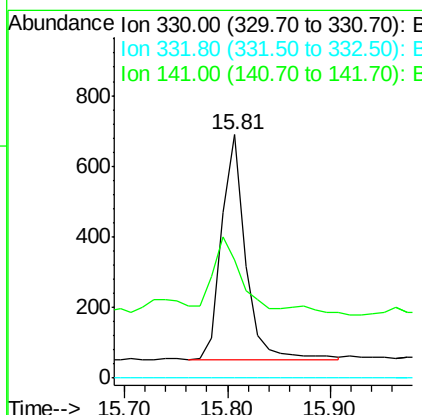
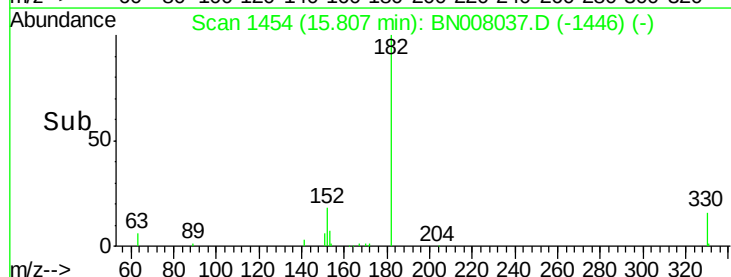
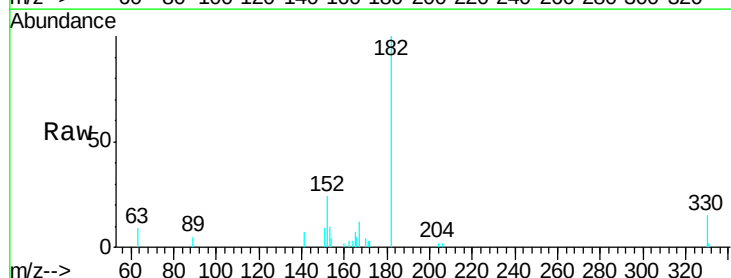
RT: 15.81 min Scan# 1454

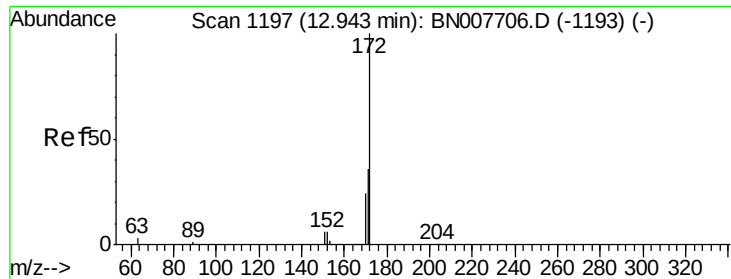
Delta R.T. -0.01 min

Lab File: BN008037.D

Acq: 05 Oct 2019 21:49

Tgt Ion:	330	Resp:	1029
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	33.8	28.7	43.1





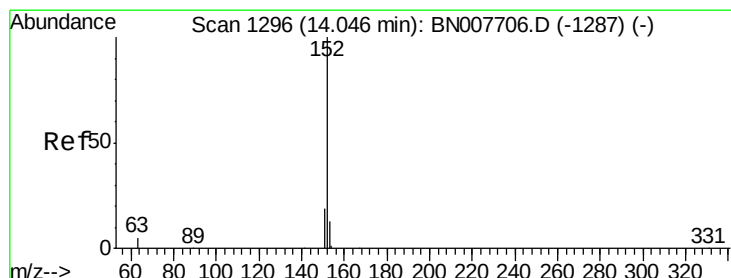
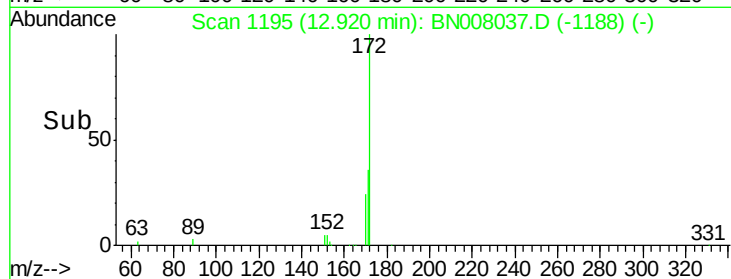
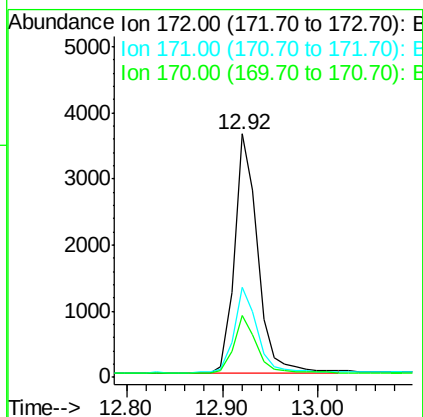
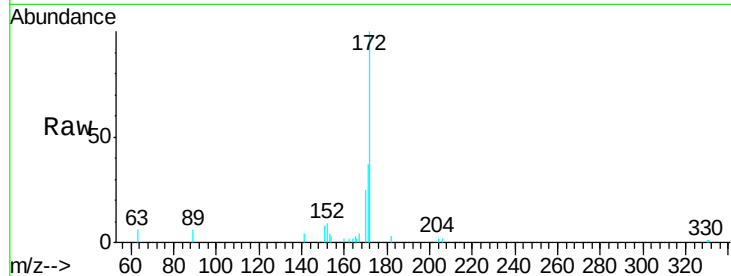
#15
2-Fluorobiphenyl
Concen: 0.156 ng
RT: 12.92 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BN008037.D
Acq: 05 Oct 2019 21:49

Instrument :
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ClientSampleId :
EXT-024-SW075-092519DL

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	28.8	43.2
170	25.3	19.5	29.3

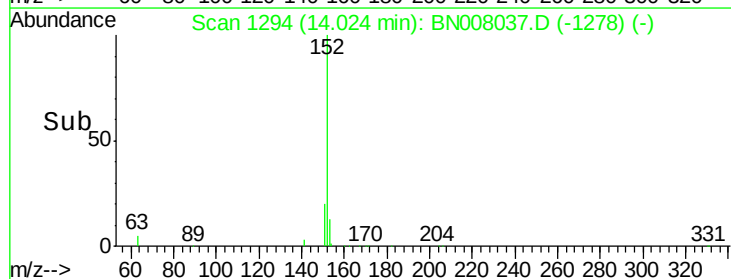
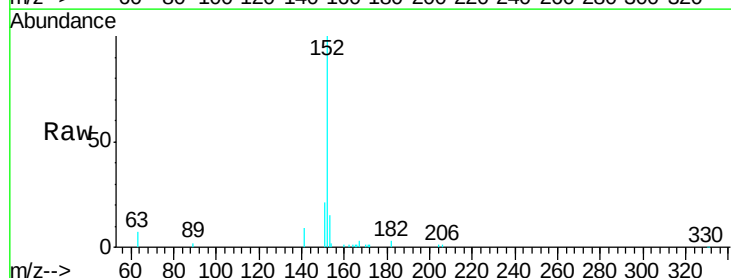
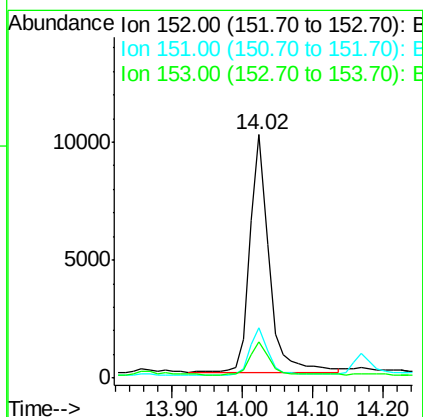
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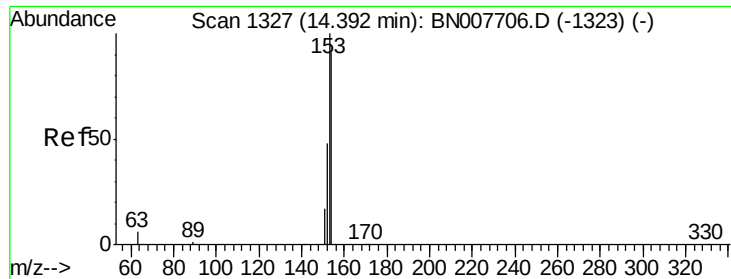
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#16
Acenaphthylene
Concen: 0.366 ng
RT: 14.02 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BN008037.D
Acq: 05 Oct 2019 21:49

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.5	23.3
153	13.7	10.4	15.6





#17

Acenaphthene

Concen: 0.304 ng

RT: 14.37 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BN008037.D

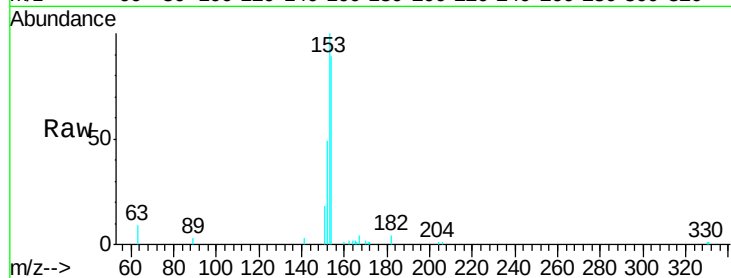
Acq: 05 Oct 2019 21:49

Instrument :

BNA_N

ClientSampleId :

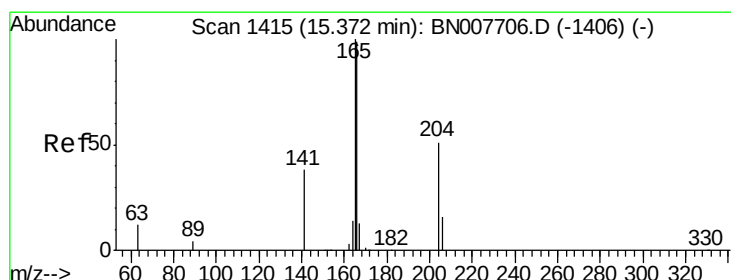
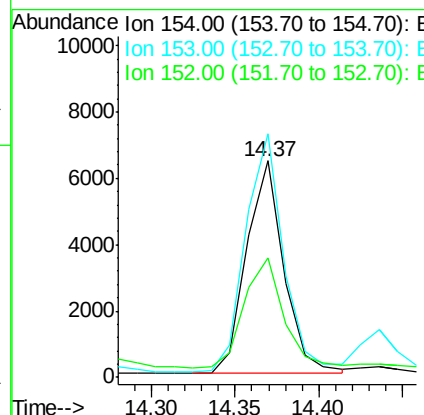
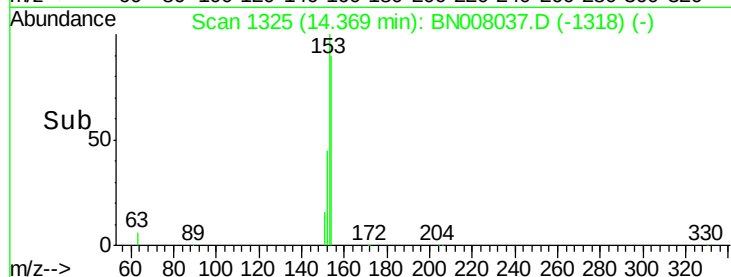
EXT-024-SW075-092519DL



Tgt Ion:	154	Resp:	9954
Ion Ratio	Lower	Upper	
154	100		
153	114.0	87.0	130.4
152	57.3	42.7	64.1

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#18

Fluorene

Concen: 0.504 ng

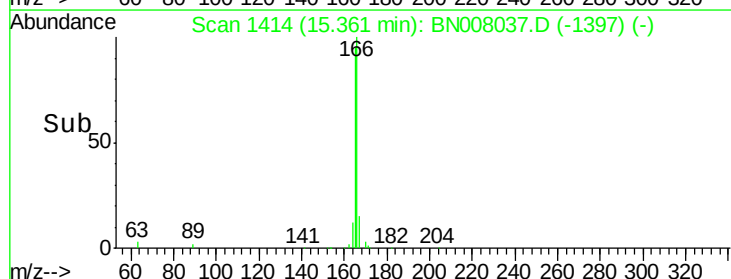
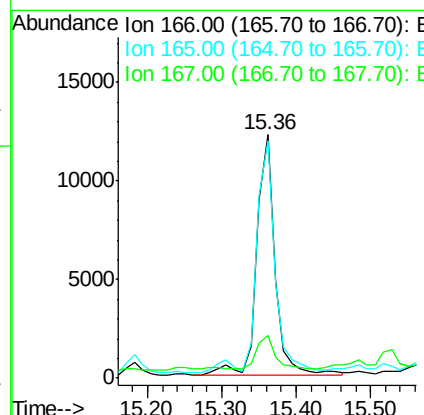
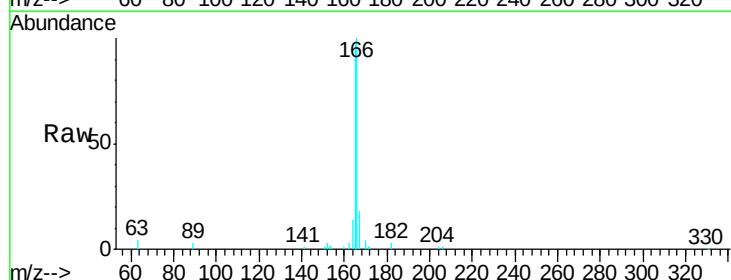
RT: 15.36 min Scan# 1414

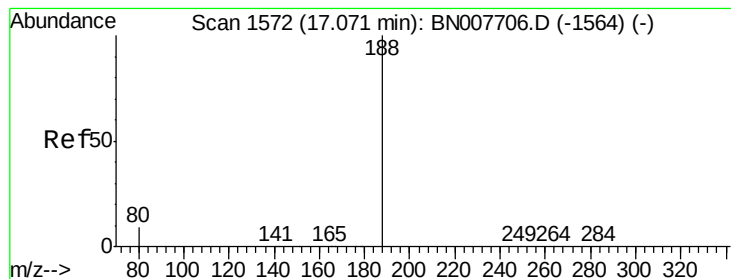
Delta R.T. -0.01 min

Lab File: BN008037.D

Acq: 05 Oct 2019 21:49

Tgt Ion:	166	Resp:	21192
Ion Ratio	Lower	Upper	
166	100		
165	91.0	78.0	117.0
167	14.6	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: BN008037.D

Acq: 05 Oct 2019 21:49

Instrument :

BNA_N

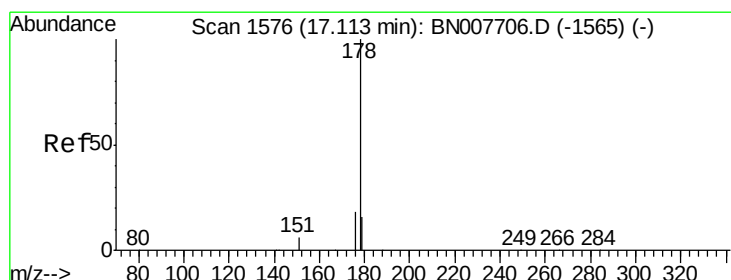
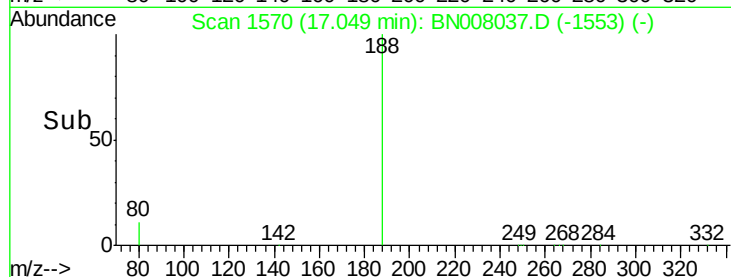
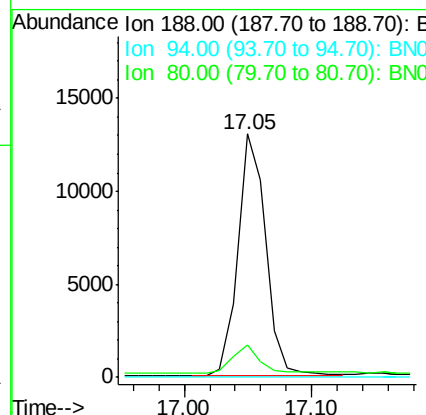
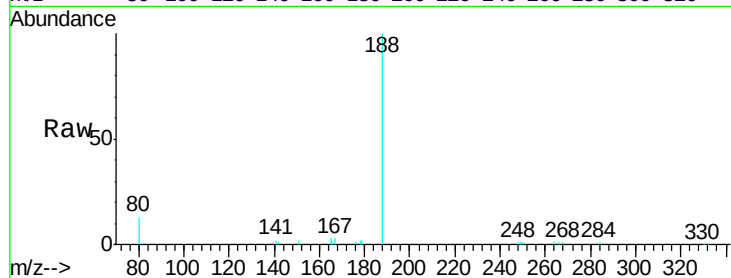
ClientSampleId :

EXT-024-SW075-092519DL

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	19638		
94	0.0	0.0	0.0	
80	13.3	7.4	11.2	

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#23

Phenanthrene

Concen: 5.230 ng

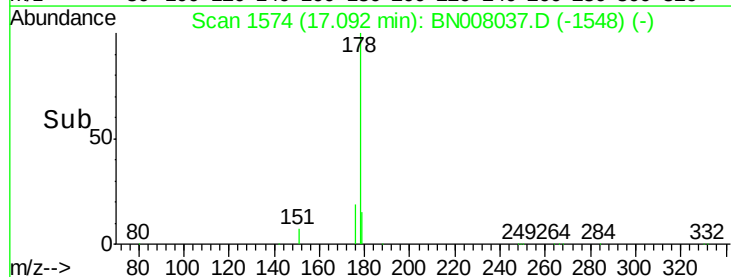
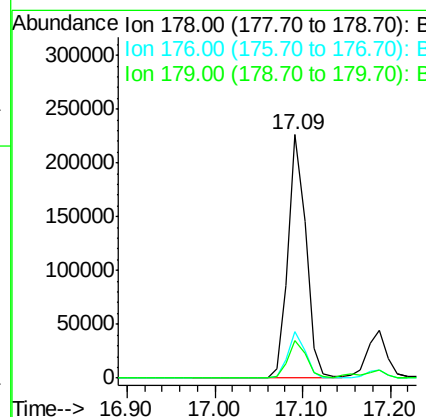
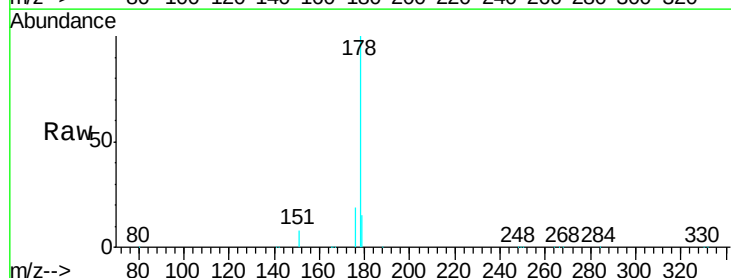
RT: 17.09 min Scan# 1574

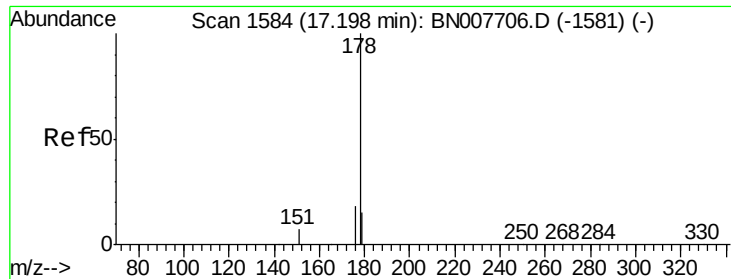
Delta R.T. -0.02 min

Lab File: BN008037.D

Acq: 05 Oct 2019 21:49

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	319938		
176	18.6	14.9	22.3	
179	15.4	12.5	18.7	





#24

Anthracene

Concen: 1.165 ng

RT: 17.19 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BN008037.D

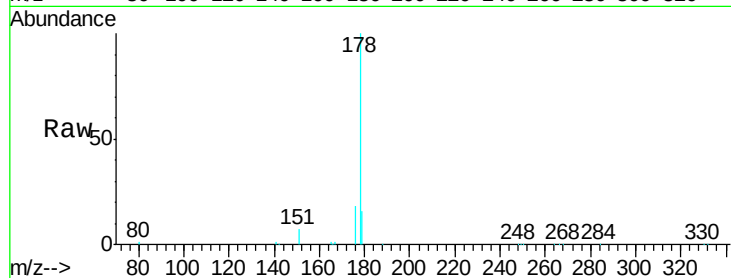
Acq: 05 Oct 2019 21:49

Instrument :

BNA_N

ClientSampleId :

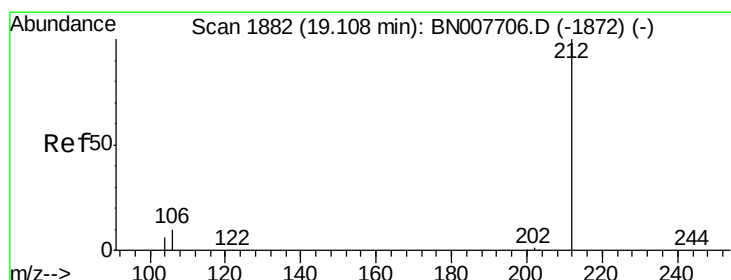
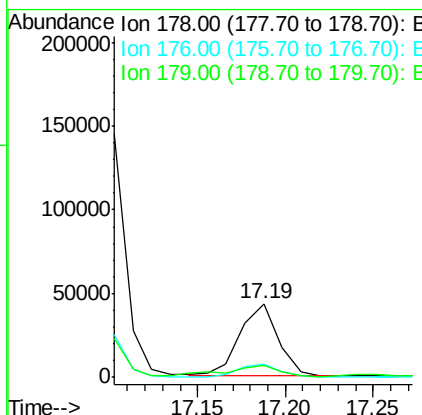
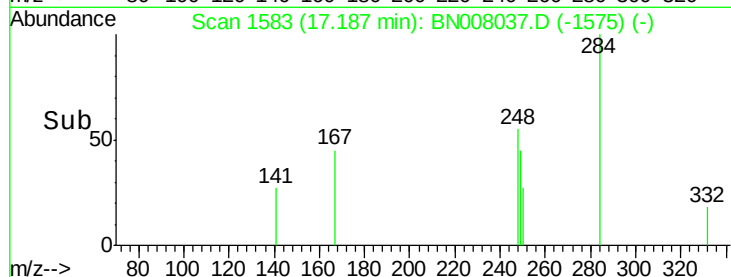
EXT-024-SW075-092519DL



Tgt Ion:	178	Resp:	64394
Ion Ratio	Lower	Upper	
178	100		
176	18.7	14.6	21.8
179	21.1	12.2	18.4

Manual Integrations
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#25

Fluoranthene-d10

Concen: 0.184 ng

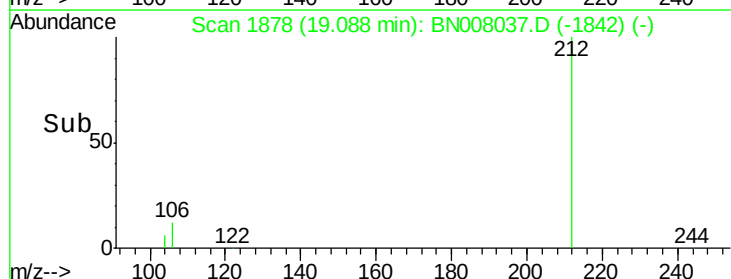
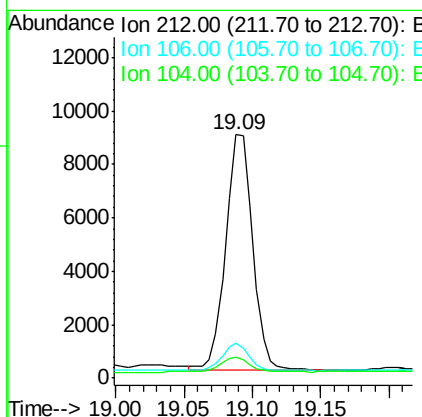
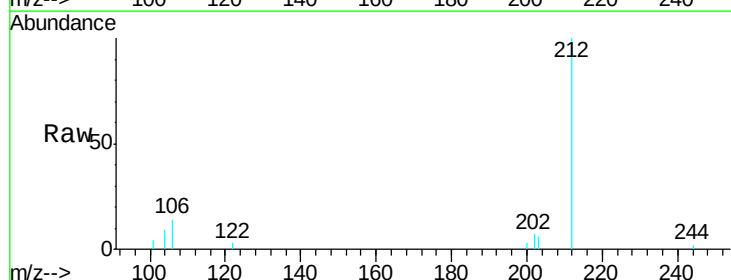
RT: 19.09 min Scan# 1878

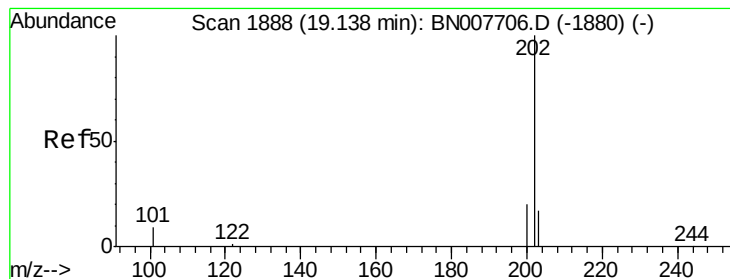
Delta R.T. -0.02 min

Lab File: BN008037.D

Acq: 05 Oct 2019 21:49

Tgt Ion:	212	Resp:	12164
Ion Ratio	Lower	Upper	
212	100		
106	11.6	9.4	14.0
104	7.6	5.3	7.9





#26

Fluoranthene

Concen: 5.557 ng

RT: 19.12 min Scan# 1884

Delta R.T. -0.02 min

Lab File: BN008037.D

Acq: 05 Oct 2019 21:49

Instrument :

BNA_N

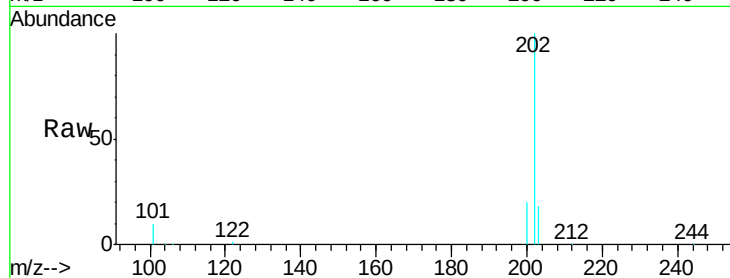
ClientSampleId :

EXT-024-SW075-092519DL

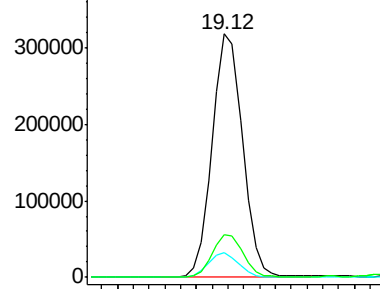
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		422731		
101	10.1	8.4	12.6		
203	17.5	13.8	20.8		

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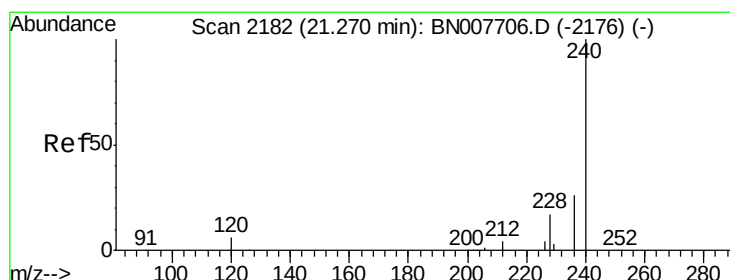
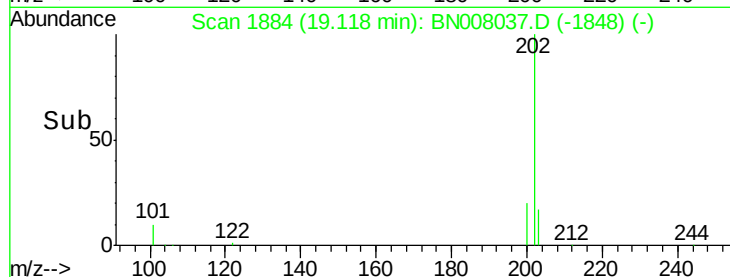
mohammad
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->



#27

Chrysene-d12

Concen: 0.400 ng

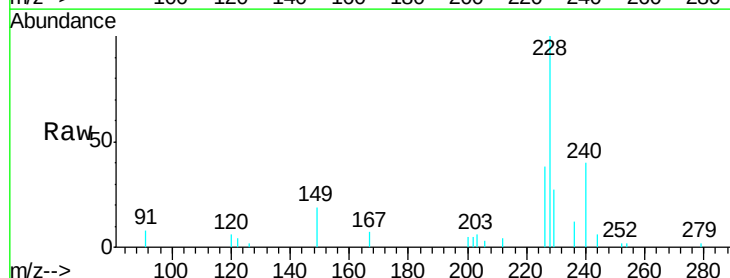
RT: 21.25 min Scan# 2180

Delta R.T. -0.02 min

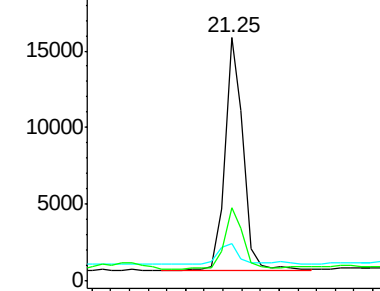
Lab File: BN008037.D

Acq: 05 Oct 2019 21:49

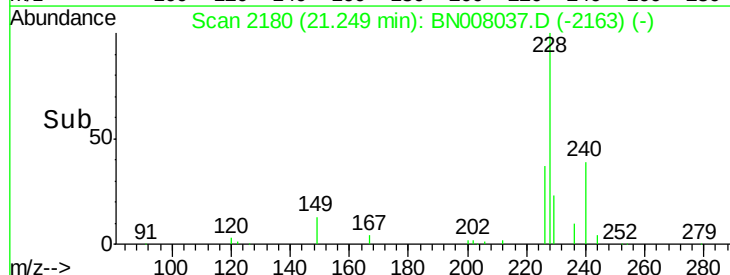
Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		20620		
120	15.2	5.4	8.2#		
236	30.4	21.0	31.4		

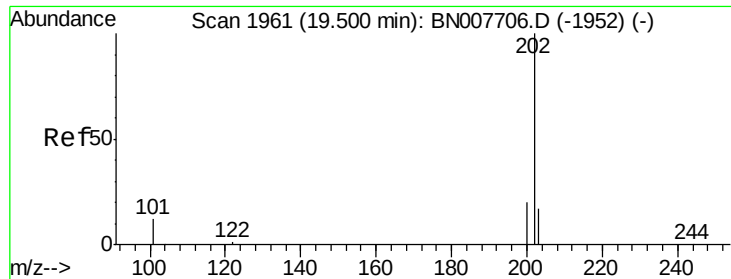


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->





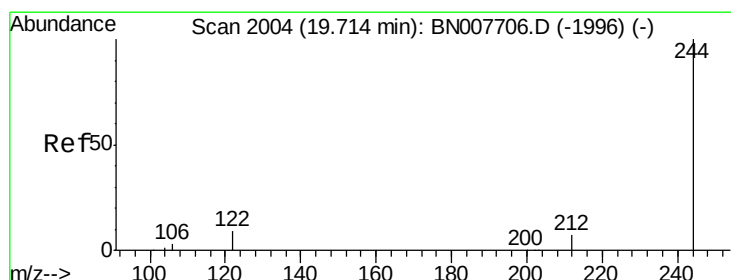
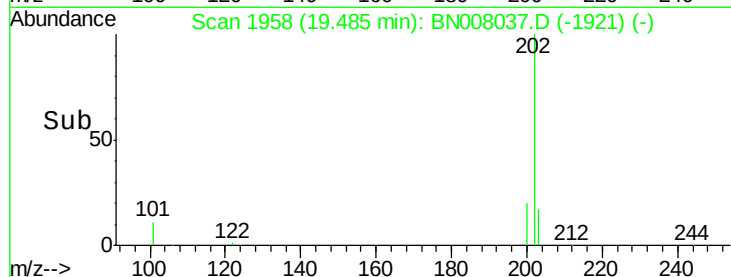
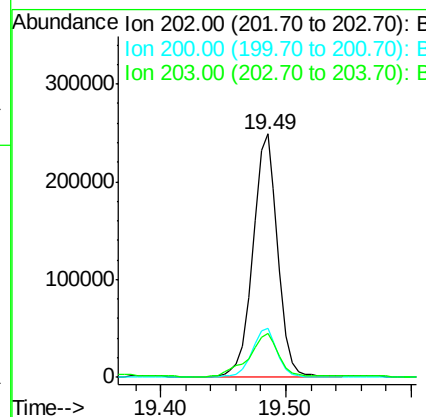
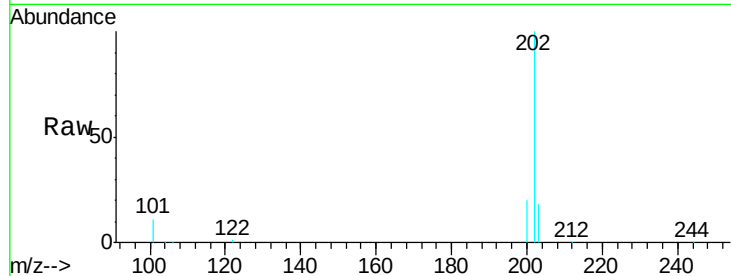
#28
 Pyrene
 Concen: 4.840 ng
 RT: 19.49 min Scan# 1958
 Delta R.T. -0.02 min
 Lab File: BN008037.D
 Acq: 05 Oct 2019 21:49

Instrument :
 BNA_N
 ClientSampleId :
 EXT-024-SW075-092519DL

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.4	16.4	24.6
203	21.3	14.1	21.1#

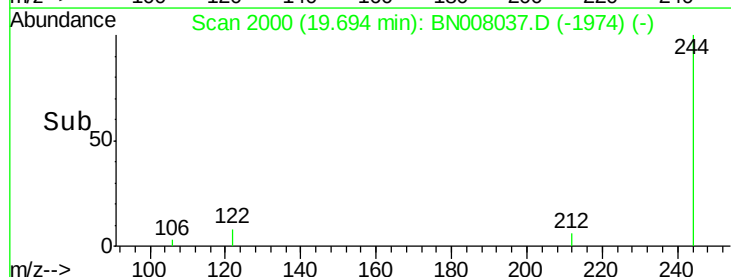
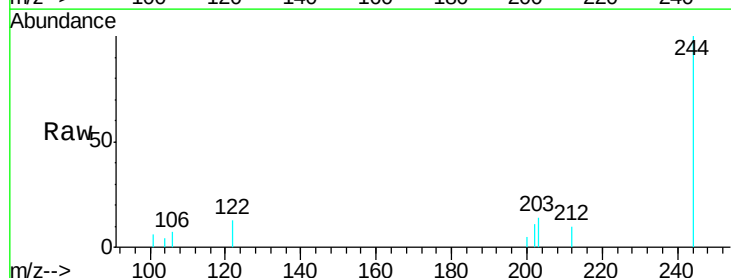
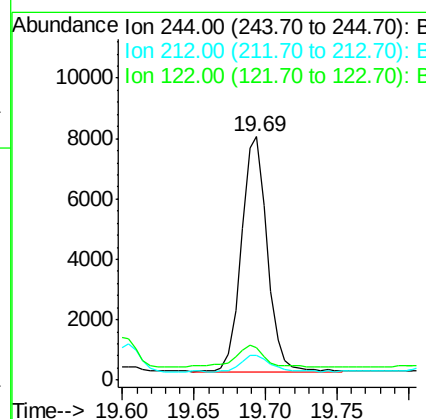
Manual Integrations
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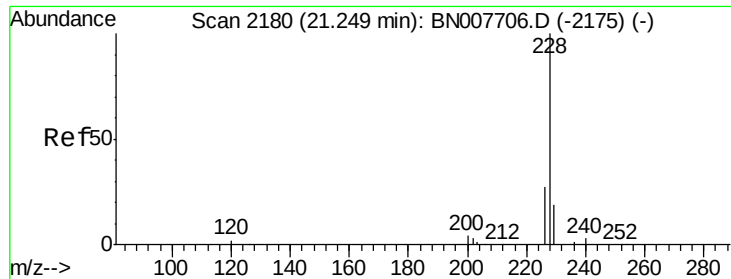
mohammad
 10/7/2019 4:40:08 PM



#29
 Terphenyl-d14
 Concen: 0.193 ng
 RT: 19.69 min Scan# 2000
 Delta R.T. -0.02 min
 Lab File: BN008037.D
 Acq: 05 Oct 2019 21:49

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	10.3	5.9	8.9#
122	13.1	7.4	11.2#





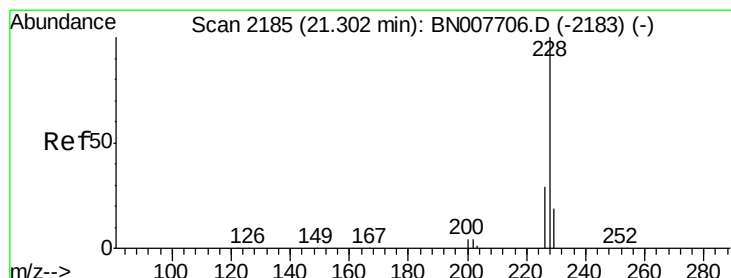
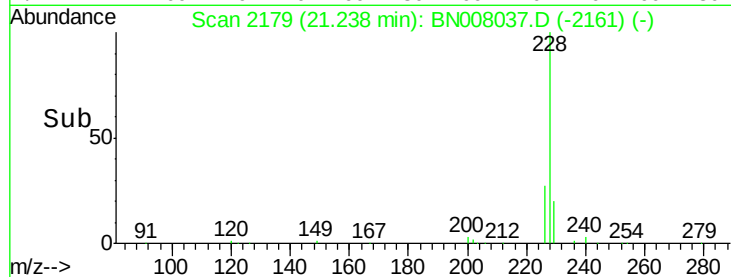
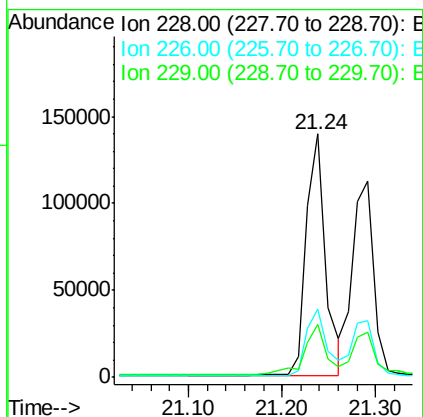
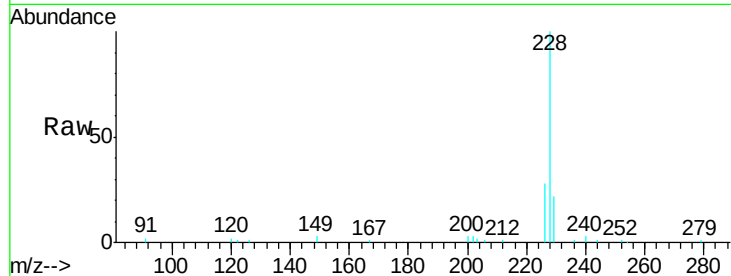
#30
Benzo(a)anthracene
Concen: 2.621 ng
RT: 21.24 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BN008037.D
Acq: 05 Oct 2019 21:49

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW075-092519DL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.1	33.1
229	21.5	15.8	23.6

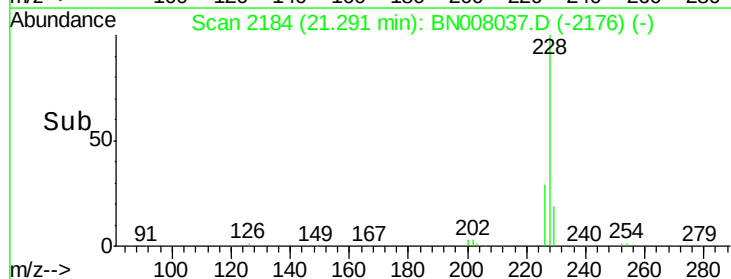
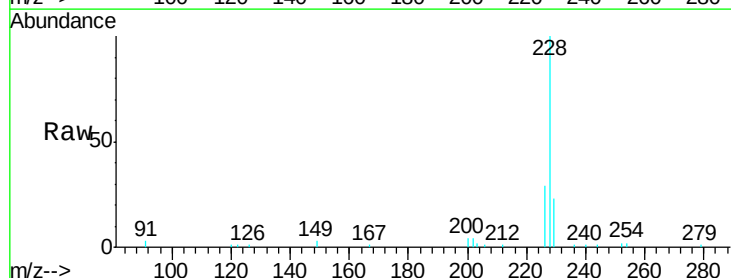
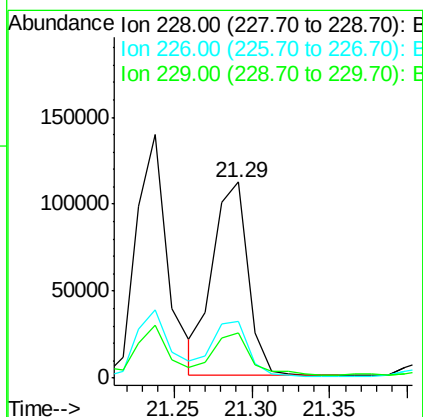
Manual Integrations
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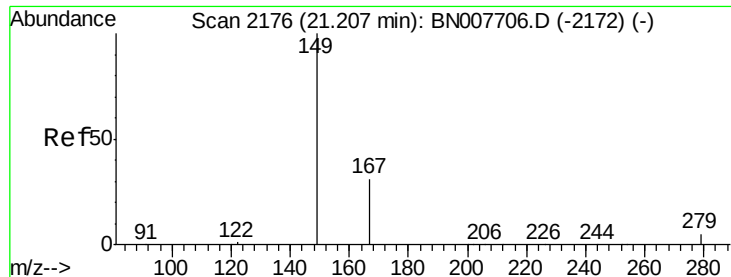
mohammad
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#31
Chrysene
Concen: 2.368 ng
RT: 21.29 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BN008037.D
Acq: 05 Oct 2019 21:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.9	35.9
229	23.1	15.8	23.6





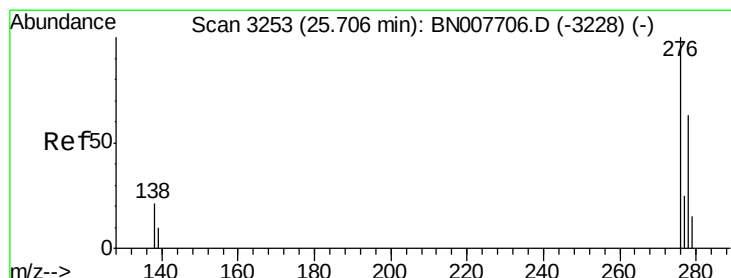
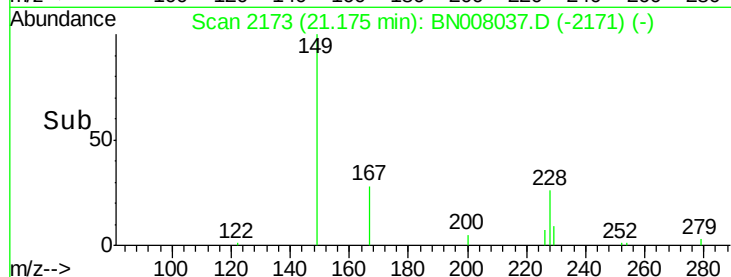
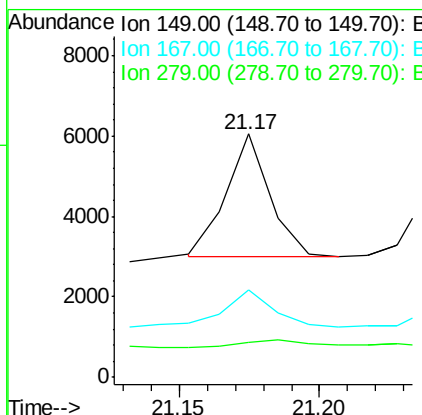
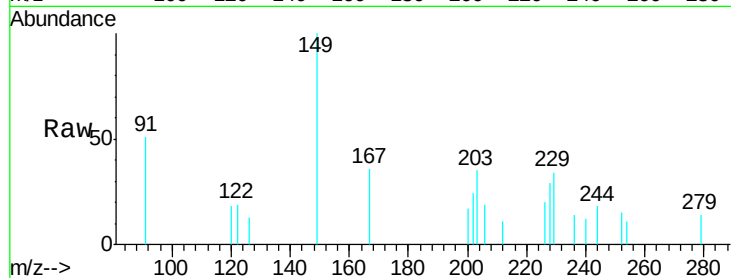
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.085 ng
 RT: 21.17 min Scan# 2173
 Delta R.T. -0.03 min
 Lab File: BN008037.D
 Acq: 05 Oct 2019 21:49

Instrument :
 BNA_N
 ClientSampleId :
 EXT-024-SW075-092519DL

Tgt Ion	Ratio	Lower	Upper
149	100		
167	30.4	23.7	35.5
279	8.9	4.2	6.2

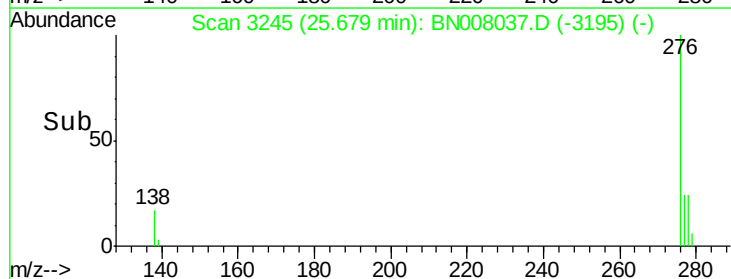
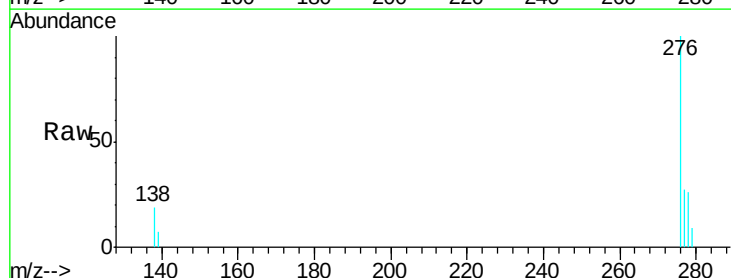
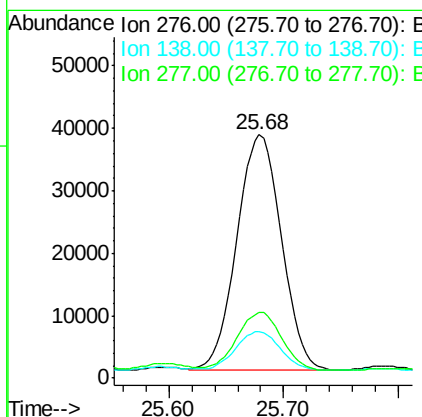
Manual Integrations
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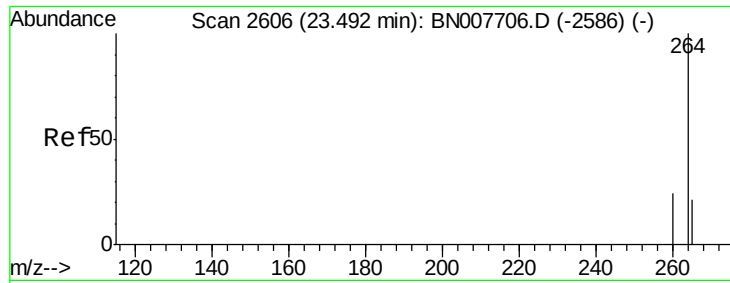
mohammad
 10/7/2019 4:40:08 PM



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 1.099 ng
 RT: 25.68 min Scan# 3245
 Delta R.T. -0.03 min
 Lab File: BN008037.D
 Acq: 05 Oct 2019 21:49

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.9	17.1	25.7
277	25.0	20.0	30.0





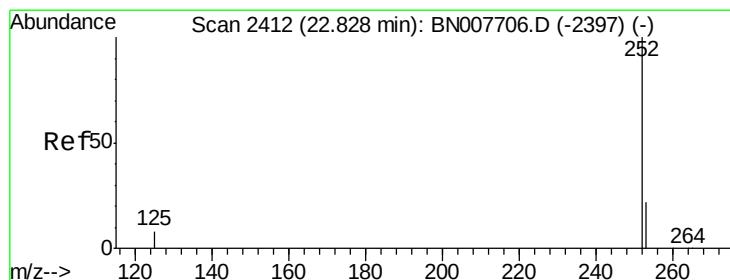
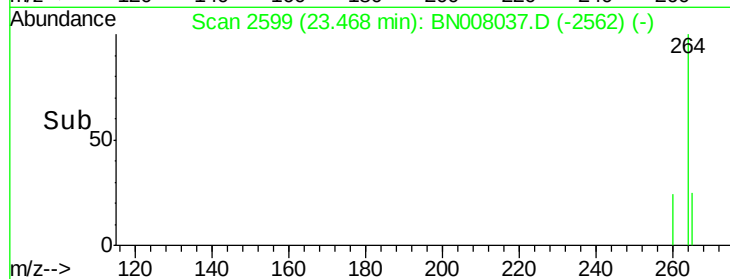
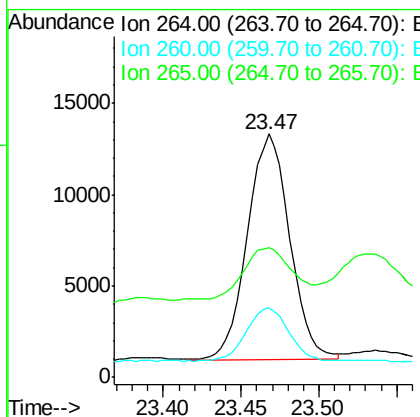
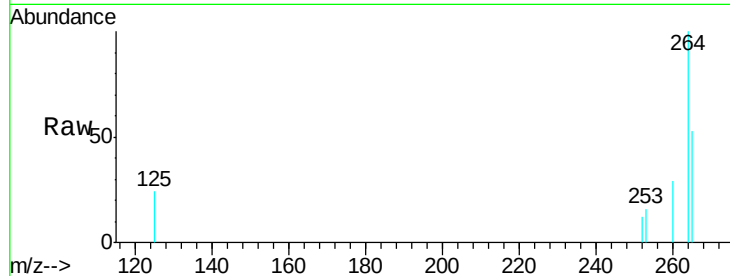
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.47 min Scan# 2599
 Delta R.T. -0.02 min
 Lab File: BN008037.D
 Acq: 05 Oct 2019 21:49

Instrument :
 BNA_N
 ClientSampleId :
 EXT-024-SW075-092519DL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	28.7	19.3	28.9
265	53.1	26.9	40.3#

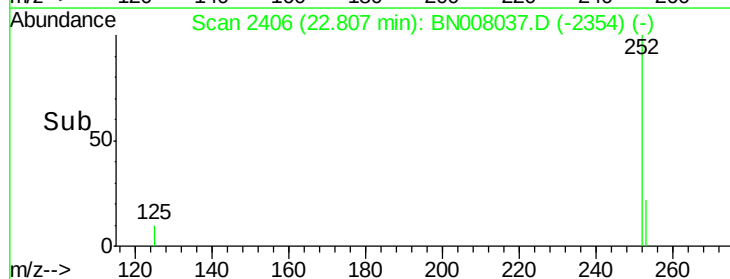
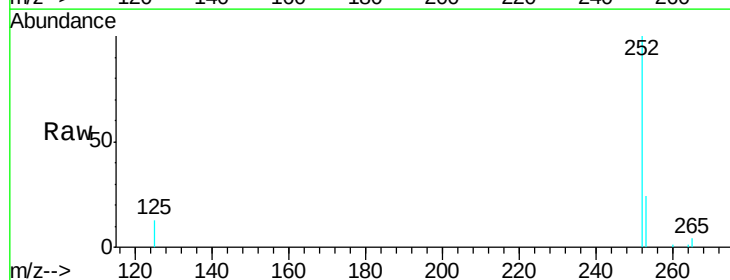
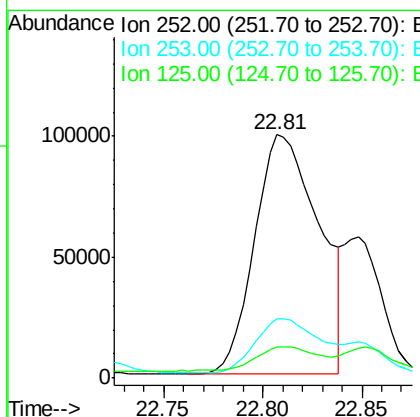
Manual Integrations
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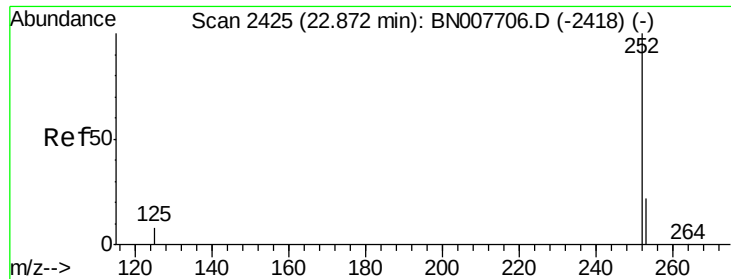
mohammad
 10/7/2019 4:40:08 PM



#35
Benzo(b)fluoranthene
 Concen: 2.773 ng
 RT: 22.81 min Scan# 2406
 Delta R.T. -0.02 min
 Lab File: BN008037.D
 Acq: 05 Oct 2019 21:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.3	27.5
125	12.8	8.2	12.4#





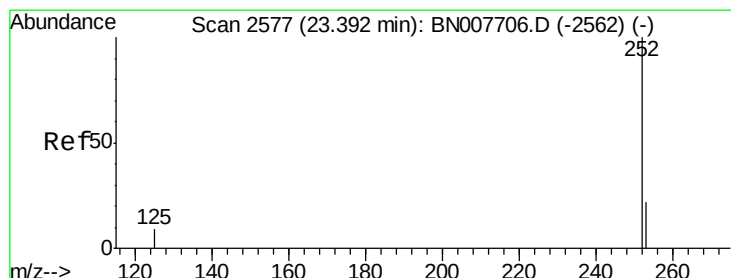
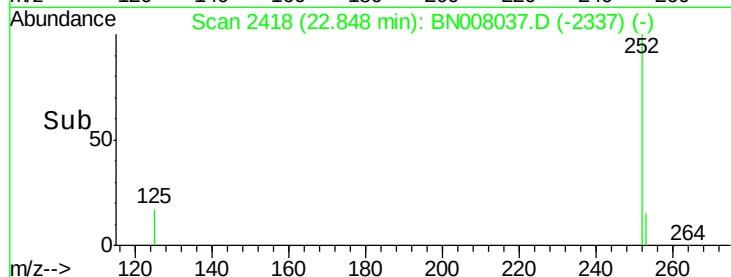
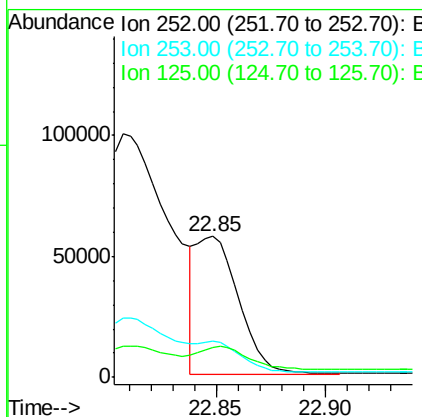
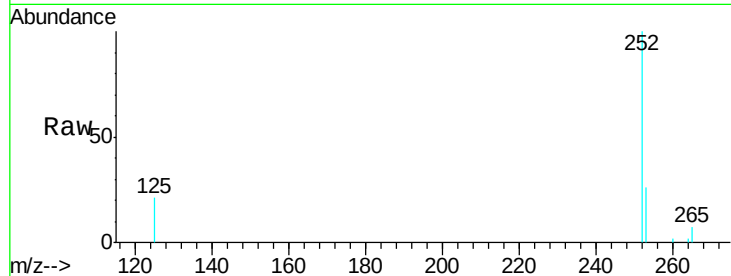
#36
Benzo(k)fluoranthene
Concen: 0.973 ng m
RT: 22.85 min Scan# 2418
Delta R.T. -0.02 min
Lab File: BN008037.D
Acq: 05 Oct 2019 21:49

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW075-092519DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.5	18.5	27.7
125	21.4	8.4	12.6

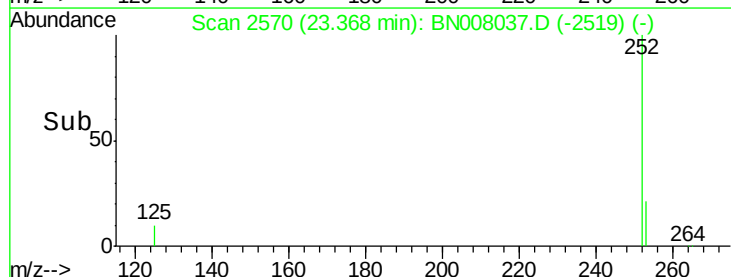
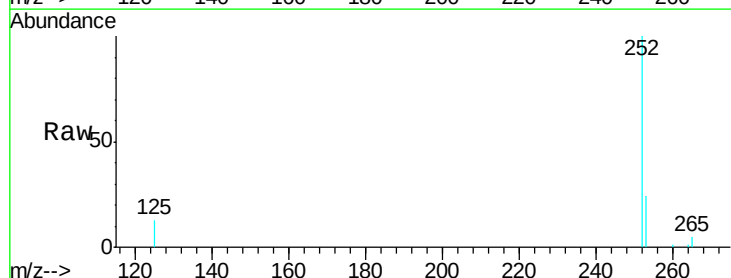
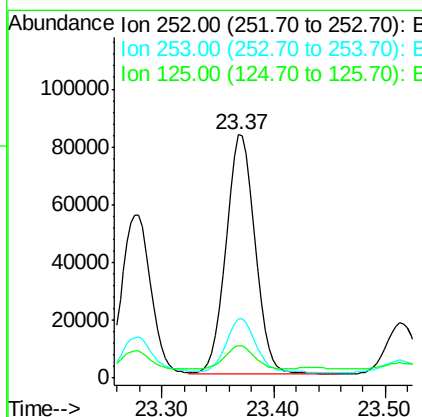
Manual Integrations
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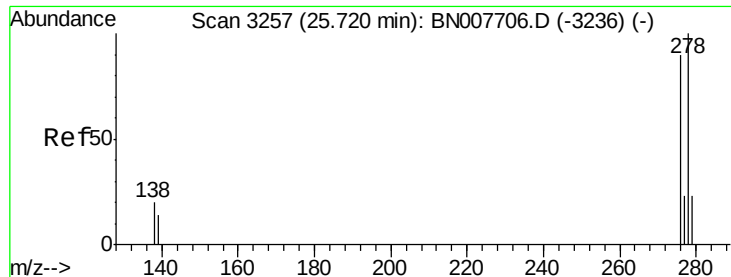
mohammad
10/7/2019 4:40:08 PM



#37
Benzo(a)pyrene
Concen: 1.949 ng
RT: 23.37 min Scan# 2570
Delta R.T. -0.02 min
Lab File: BN008037.D
Acq: 05 Oct 2019 21:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.6	27.8
125	13.3	9.4	14.0





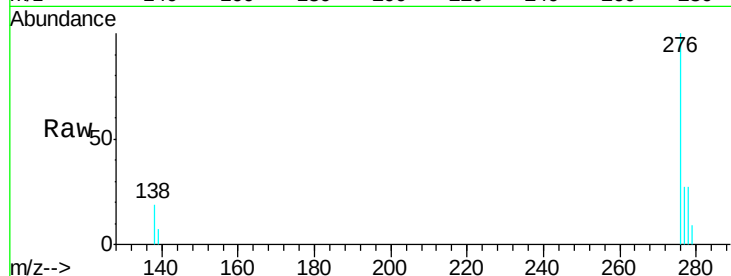
#38
Dibenzo(a,h)anthracene
Concen: 0.372 ng
RT: 25.68 min Scan# 3246
Delta R.T. -0.04 min
Lab File: BN008037.D
Acq: 05 Oct 2019 21:49

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW075-092519DL

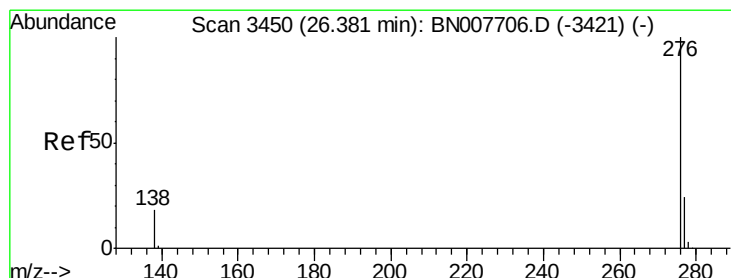
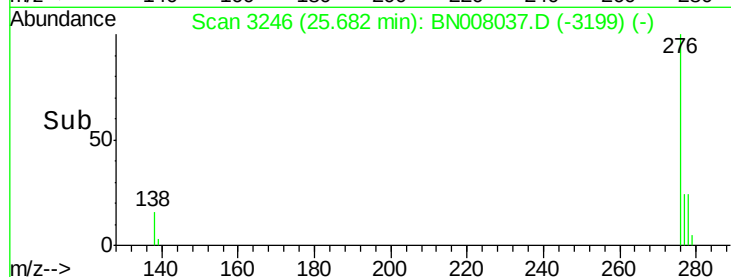
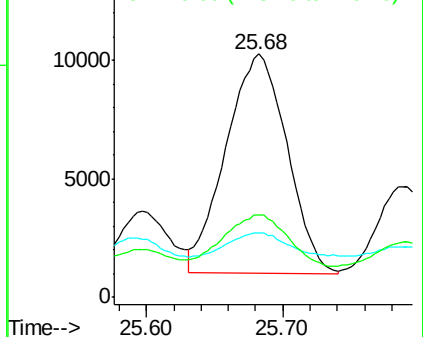
Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.2	11.8	17.6#
279	34.0	19.4	29.2#

Manual Integrations
APPROVED

mohammad
10/7/2019 4:40:08 PM



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#39
Benzo(g,h,i)perylene
Concen: 1.200 ng
RT: 26.36 min Scan# 3443
Delta R.T. -0.02 min
Lab File: BN008037.D
Acq: 05 Oct 2019 21:49

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.7	19.8	29.8
138	19.7	15.1	22.7

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

