

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100419\
 Data File : BN008016.D
 Acq On : 04 Oct 2019 22:46
 Operator : JU
 Sample : K5078-10 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-024-SW074-092519

Manual Integrations
 APPROVED

mohammad
 10/7/2019 8:45:46 AM

Quant Time: Oct 05 04:03:14 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	20381	0.40	ng	-0.02
7) Naphthalene-d8	10.46	136	86022	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	57674	0.40	ng	-0.02
19) Phenanthrene-d10	17.06	188	134758	0.40	ng	-0.01
27) Chrysene-d12	21.26	240	140994	0.40	ng	0.00
34) Perylene-d12	23.48	264	162150	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.31	112	2596	0.04	ng	0.00
5) Phenol-d6	6.88	99	3515	0.03	ng	0.00
8) Nitrobenzene-d5	8.82	82	2801	0.04	ng	-0.01
11) 2-Methylnaphthalene-d10	12.05	152	5808	0.04	ng	-0.02
14) 2,4,6-Tribromophenol	15.81	330	1592	0.05	ng	0.00
15) 2-Fluorobiphenyl	12.93	172	8371	0.04	ng	-0.02
25) Fluoranthene-d10	19.09	212	16695	0.04	ng	-0.01
29) Terphenyl-d14	19.70	244	17919	0.05	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.49	128	16143	0.067	ng	# 95
12) 2-Methylnaphthalene	12.12	142	10251	0.063	ng	97
16) Acenaphthylene	14.03	152	229059	0.749	ng	99
17) Acenaphthene	14.38	154	54987	0.279	ng	97
18) Fluorene	15.37	166	102668	0.406	ng	97
23) Phenanthrene	17.10	178	2279741	5.431	ng	100
24) Anthracene	17.19	178	392832	1.036	ng	# 95
26) Fluoranthene	19.13	202	3964161	7.594	ng	98
28) Pyrene	19.49	202	3364660	6.997	ng	# 95
30) Benzo(a)anthracene	21.24	228	1640498	3.160	ng	98
31) Chrysene	21.29	228	1843789	3.644	ng	97
32) Bis(2-ethylhexyl)phthalate	21.18	149	249825m	0.936	ng	
33) Indeno(1,2,3-cd)pyrene	25.70	276	1269352	2.004	ng	# 94
35) Benzo(b)fluoranthene	22.82	252	2505153	4.450	ng	98
36) Benzo(k)fluoranthene	22.86	252	973494m	1.749	ng	
37) Benzo(a)pyrene	23.38	252	1600258	3.025	ng	98
38) Dibenzo(a,h)anthracene	25.70	278	303293	0.560	ng	# 91
39) Benzo(a,h,i)perylene	26.38	276	1211007	2.261	ng	98

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

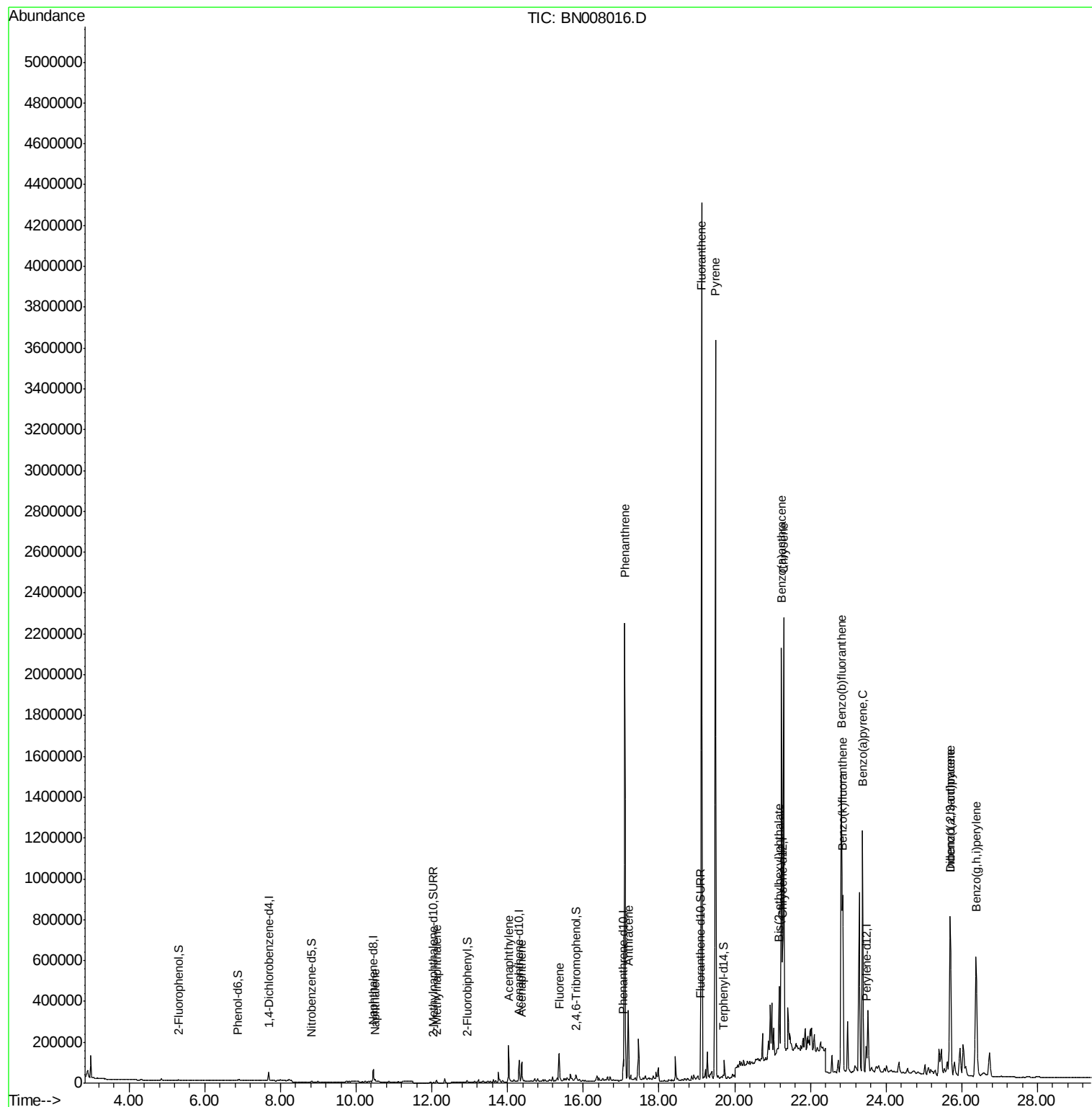
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100419\
Data File : BN008016.D
Acq On : 04 Oct 2019 22:46
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Misc :
ALS Vial : 14 Sample Multiplier: 1

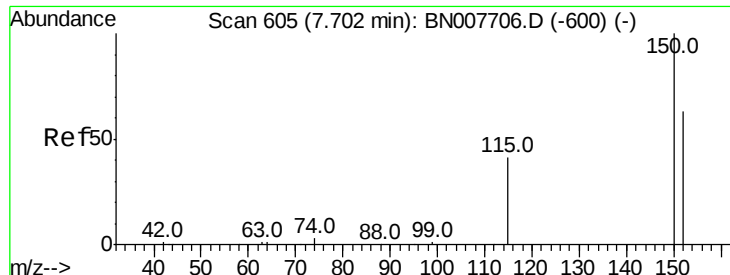
Instrument :
BNA_N
ClientSampleId :
EXT-024-SW074-092519

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Quant Time: Oct 05 04:03:14 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

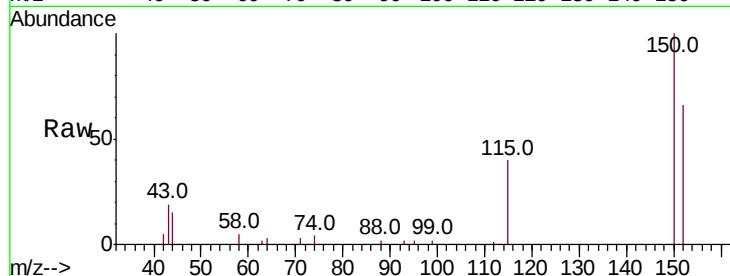
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 603
Delta R.T. -0.02 min
Lab File: BN008016.D
Acq: 04 Oct 2019 22:46

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW074-092519

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.5	125.6	188.4
115	61.3	53.3	79.9

Manual Integrations
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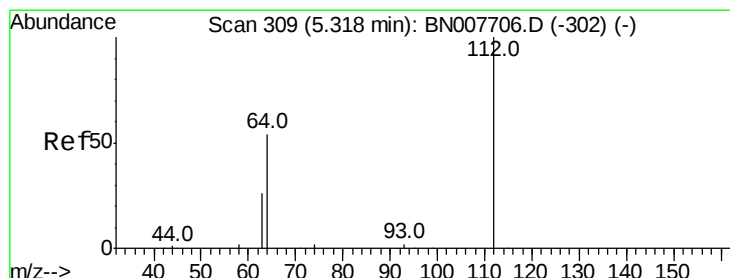
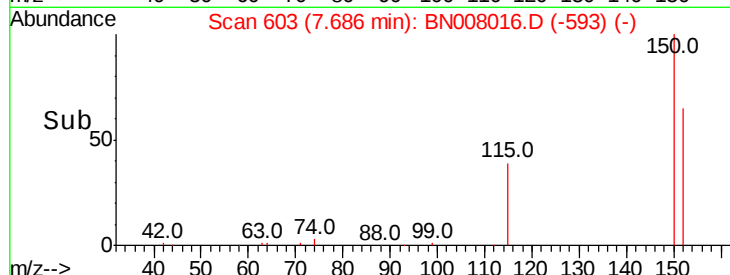
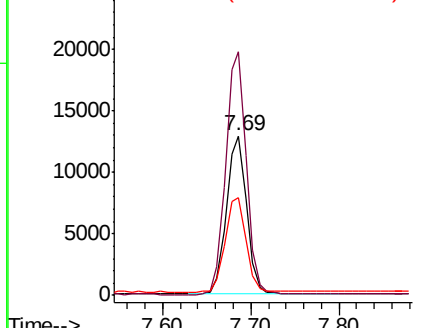


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

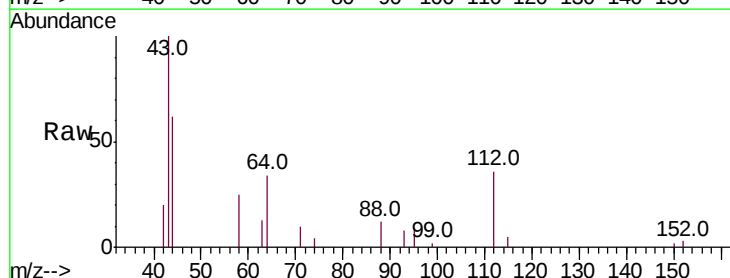
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.037 ng
RT: 5.31 min Scan# 308
Delta R.T. -0.01 min
Lab File: BN008016.D
Acq: 04 Oct 2019 22:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.3	46.6	70.0
63	27.3	23.1	34.7

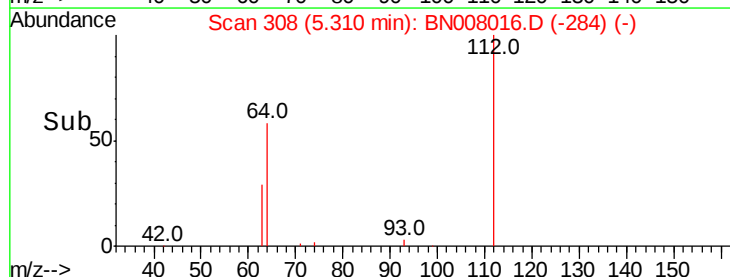
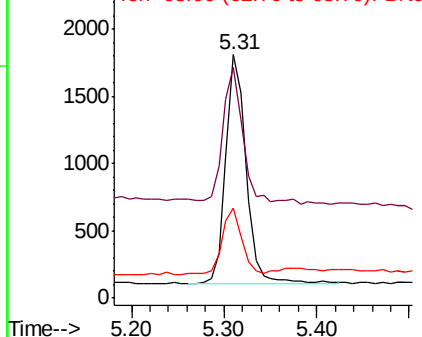


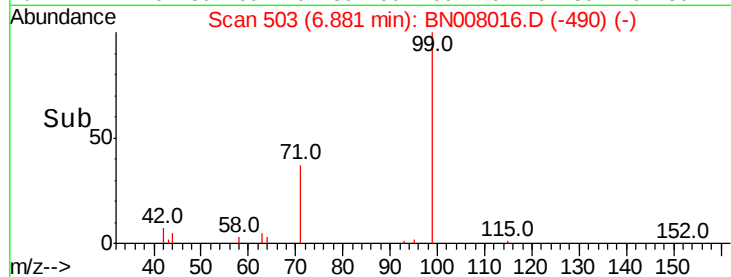
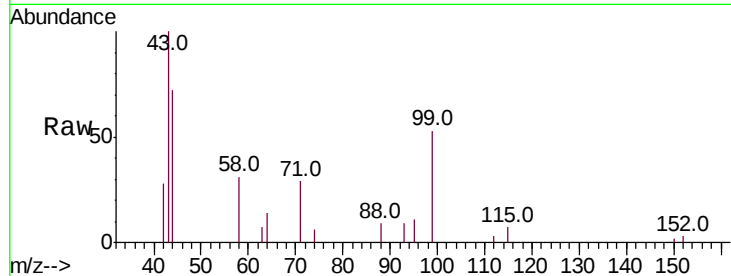
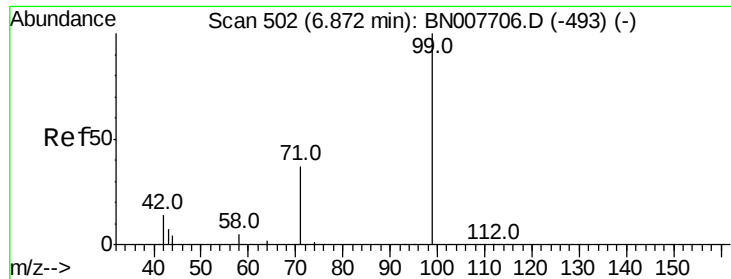
Abundance

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: 0.034 ng

RT: 6.88 min Scan# 503

Delta R.T. 0.01 min

Lab File: BN008016.D

Acq: 04 Oct 2019 22:46

Tot Ion:	99	Resp:	3515
Ion Ratio	Lower	Upper	
99	100		
42	23.8	12.8	19.2#
71	36.9	27.6	41.4

Instrument :

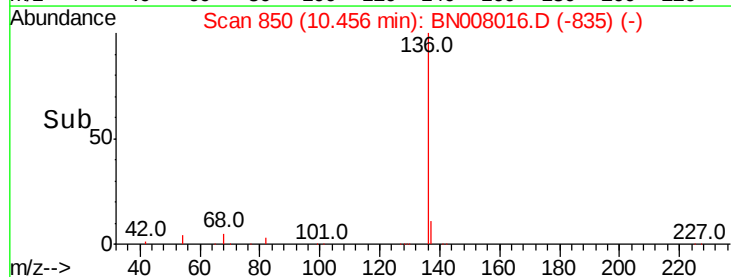
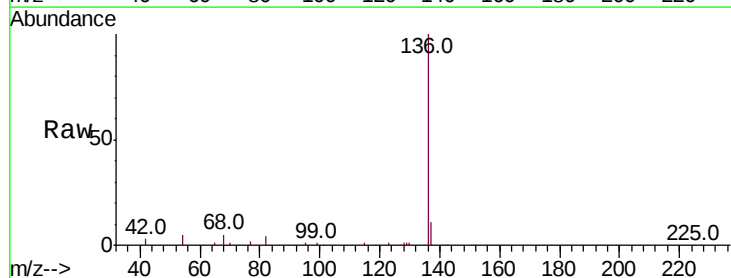
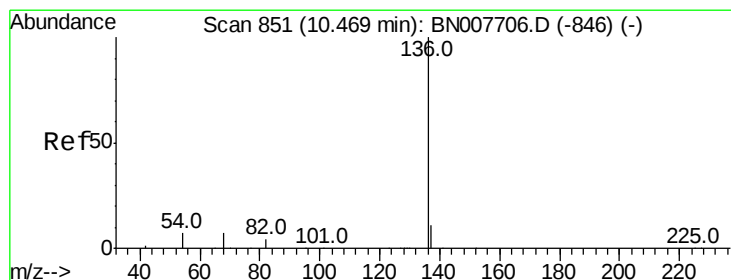
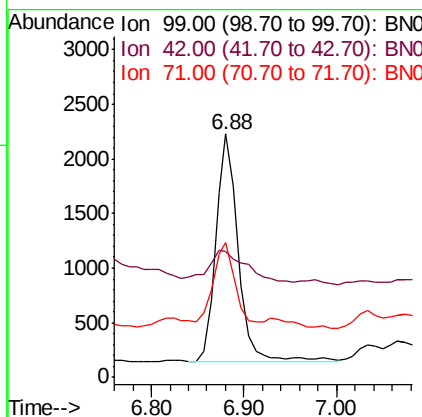
BNA_N

ClientSampleId :

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#7

Naphthalene-d8

Concen: 0.400 ng

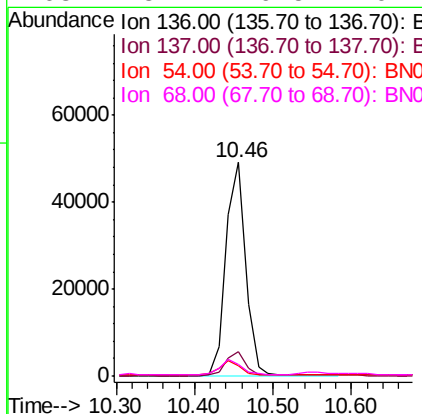
RT: 10.46 min Scan# 850

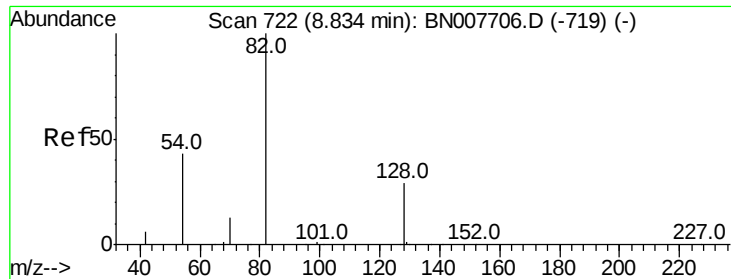
Delta R.T. -0.01 min

Lab File: BN008016.D

Acq: 04 Oct 2019 22:46

Tgt Ion:	136	Resp:	86022
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.2	13.8
54	4.6	5.8	8.8#
68	5.4	6.5	9.7#





#8

Nitrobenzene-d5

Concen: 0.037 ng

RT: 8.82 min Scan# 721

Delta R.T. -0.01 min

Lab File: BN008016.D

Acq: 04 Oct 2019 22:46

Instrument :

BNA_N

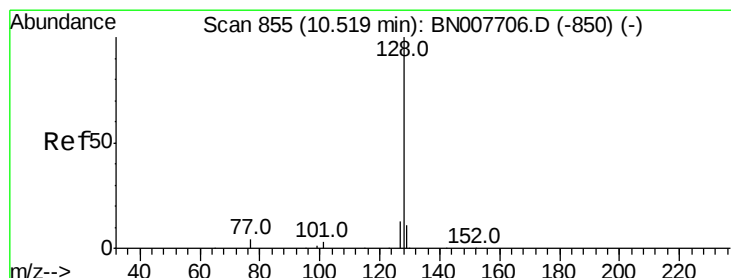
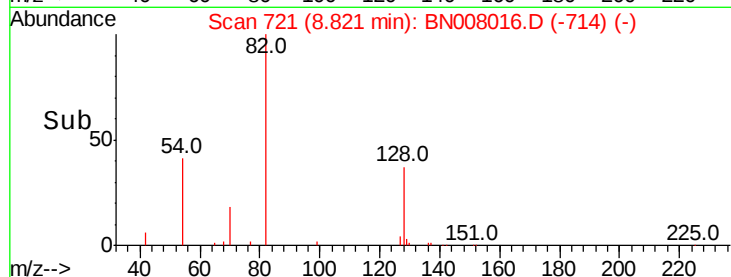
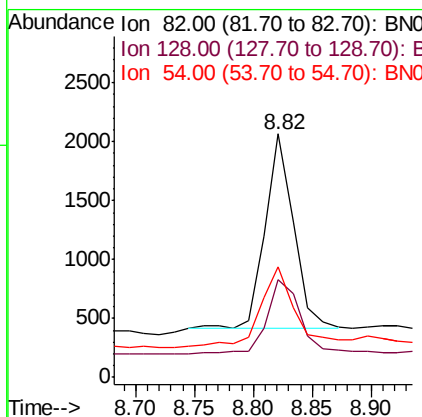
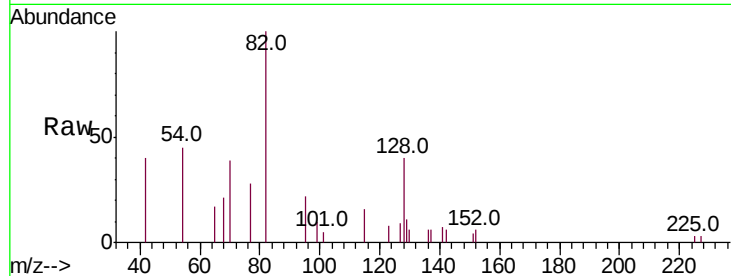
ClientSampleId :

EXT-024-SW074-092519

Tot Ion:	82	Resp:	2801
Ion Ratio	Lower	Upper	
82	100		
128	40.0	24.5	36.7#
54	45.4	35.2	52.8

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#9

Naphthalene

Concen: 0.067 ng

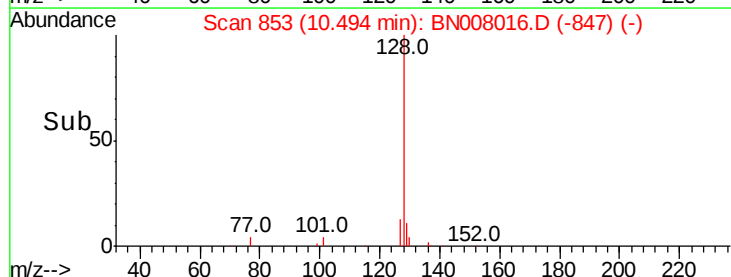
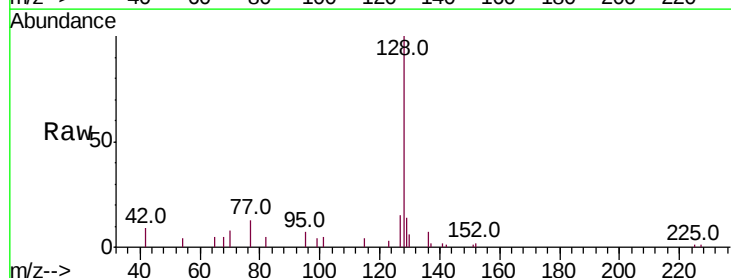
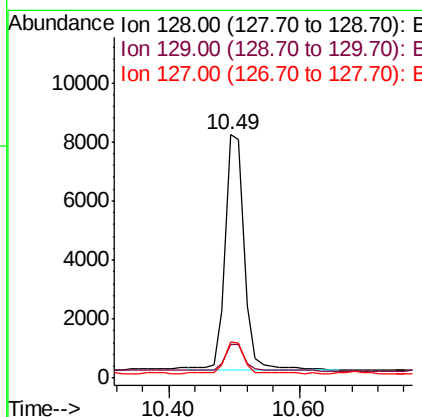
RT: 10.49 min Scan# 853

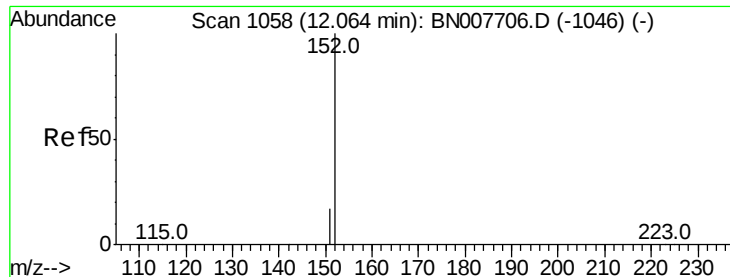
Delta R.T. -0.03 min

Lab File: BN008016.D

Acq: 04 Oct 2019 22:46

Tgt Ion:	128	Resp:	16143
Ion Ratio	Lower	Upper	
128	100		
129	13.9	9.1	13.7#
127	14.9	10.6	15.8





#11

2-Methylnaphthalene-d10

Concen: 0.040 ng

RT: 12.05 min Scan# 1054

Delta R.T. -0.02 min

Lab File: BN008016.D

Acq: 04 Oct 2019 22:46

Instrument :

BNA_N

ClientSampleId :

EXT-024-SW074-092519

Tot Ion:152 Resp: 5808

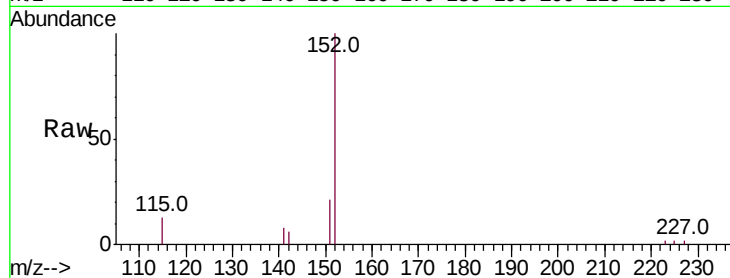
Ion Ratio Lower Upper

152 100

151 21.1 15.4 23.2

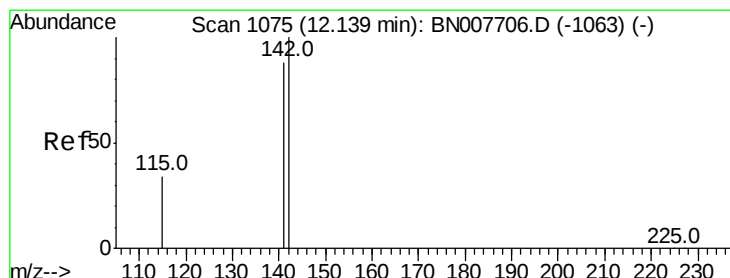
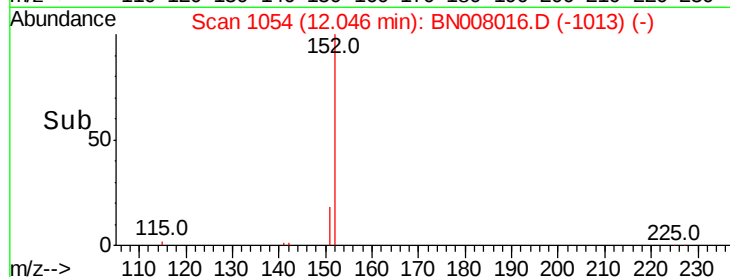
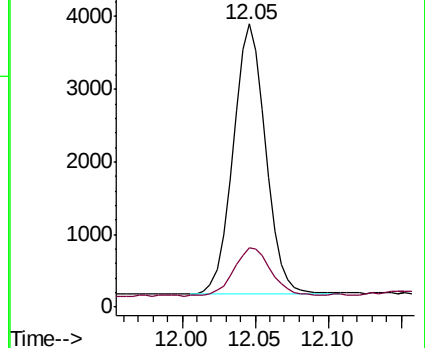
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.063 ng

RT: 12.12 min Scan# 1071

Delta R.T. -0.02 min

Lab File: BN008016.D

Acq: 04 Oct 2019 22:46

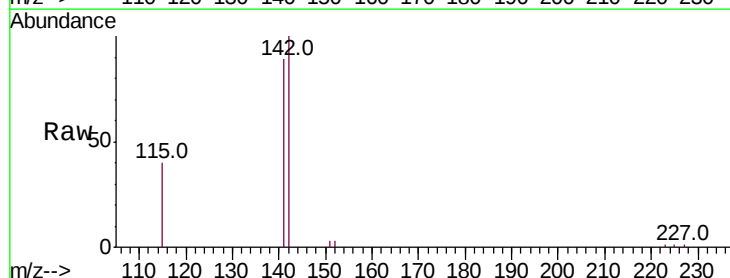
Tgt Ion:142 Resp: 10251

Ion Ratio Lower Upper

142 100

141 88.9 70.6 106.0

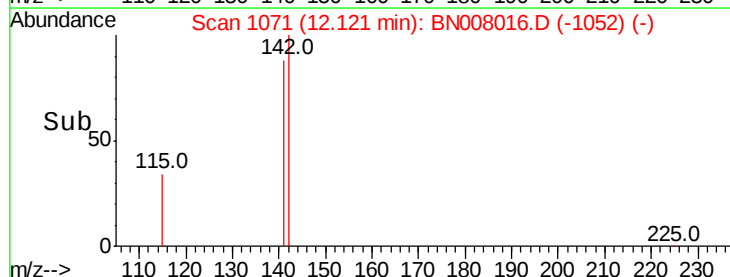
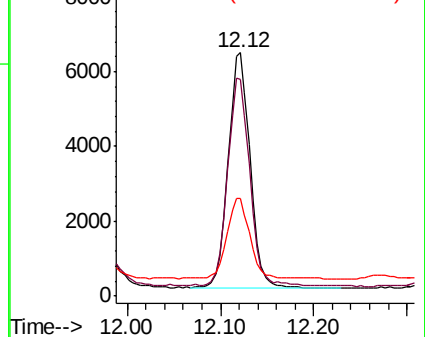
115 39.9 28.3 42.5

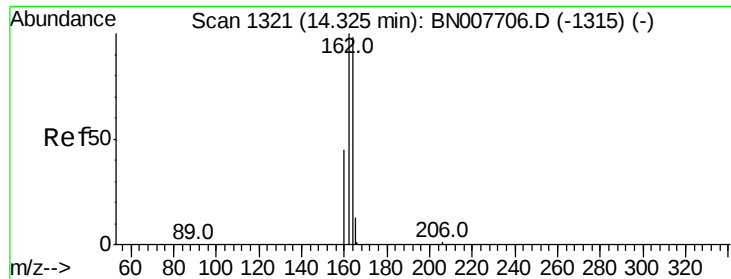


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





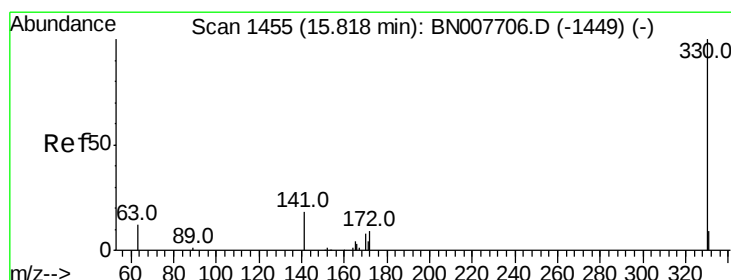
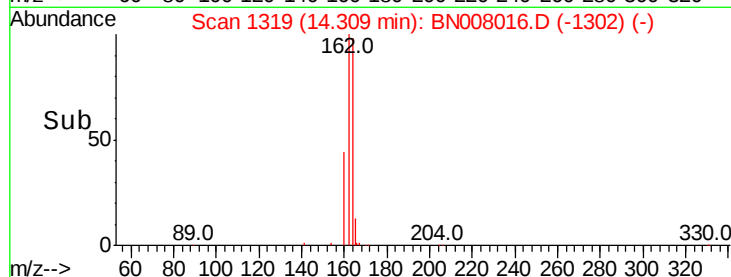
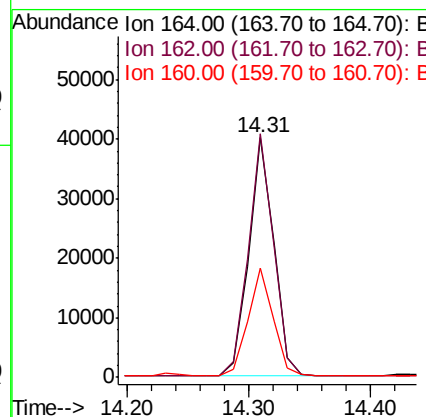
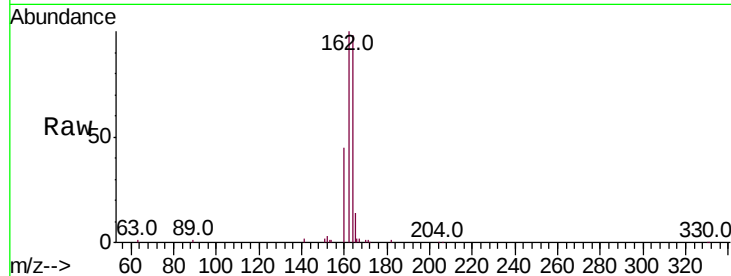
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.31 min Scan# 1319
Delta R.T. -0.02 min
Lab File: BN008016.D
Acq: 04 Oct 2019 22:46

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW074-092519

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.7	122.5
160	45.3	37.0	55.4

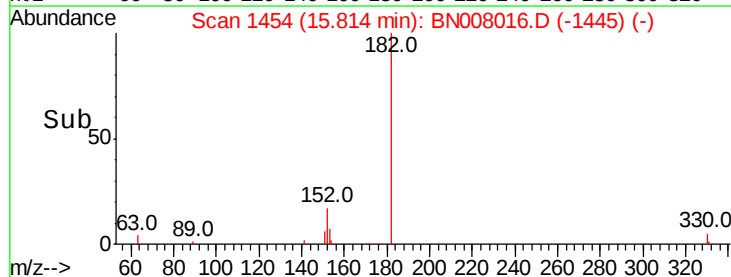
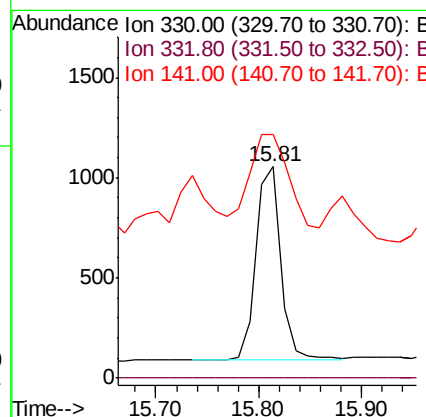
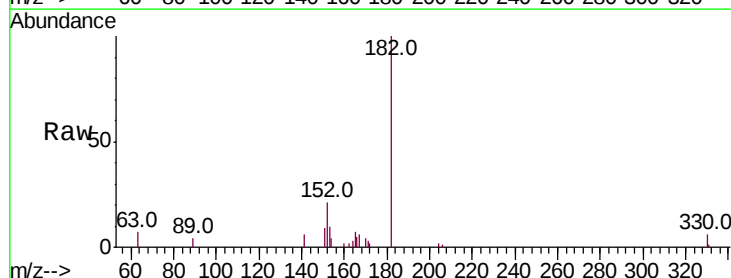
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#14
2,4,6-Tribromophenol
Concen: 0.051 ng
RT: 15.81 min Scan# 1454
Delta R.T. -0.00 min
Lab File: BN008016.D
Acq: 04 Oct 2019 22:46

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	78.6	28.7	43.1#





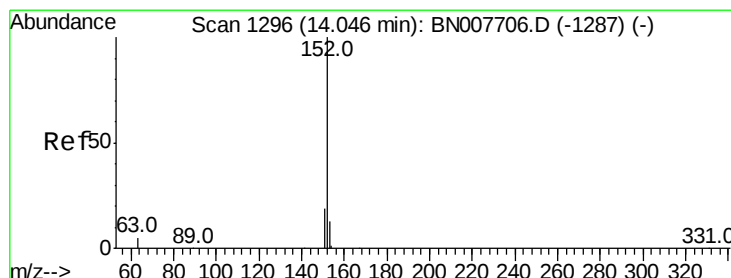
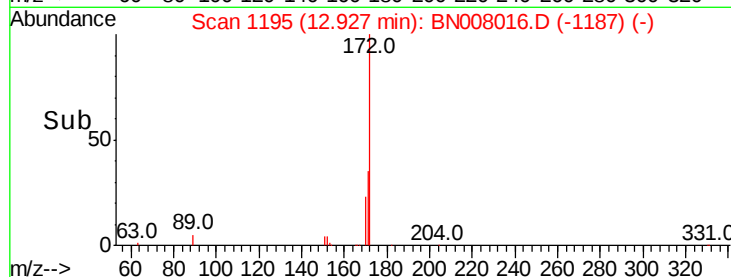
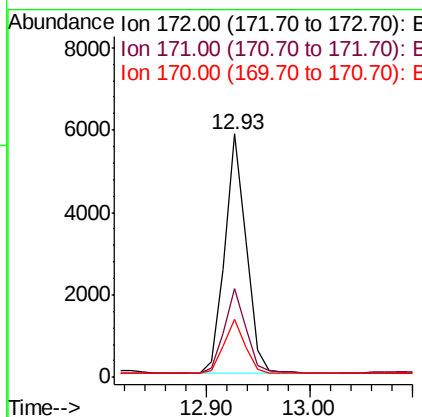
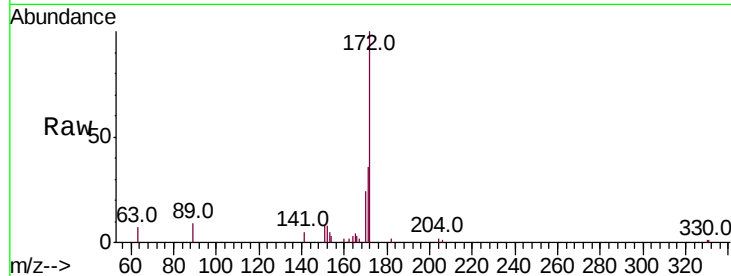
#15
2-Fluorobiphenyl
Concen: 0.035 ng
RT: 12.93 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BN008016.D
Acq: 04 Oct 2019 22:46

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW074-092519

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.8	43.2
170	24.1	19.5	29.3

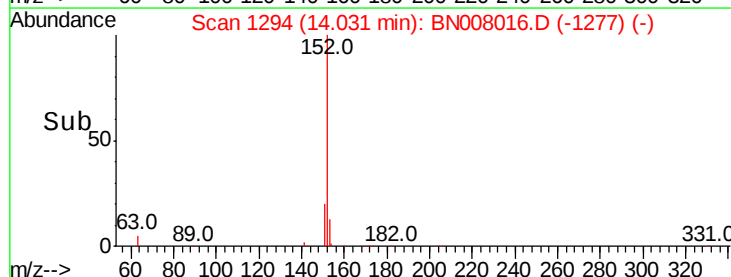
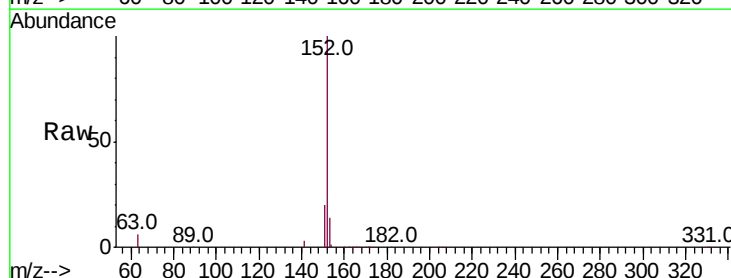
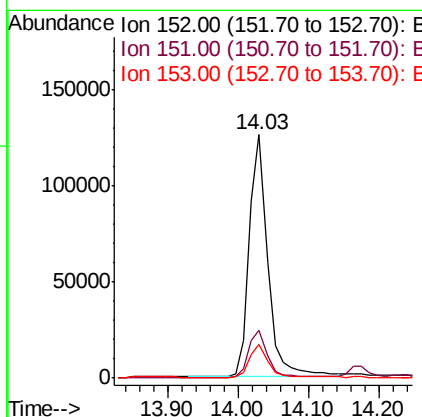
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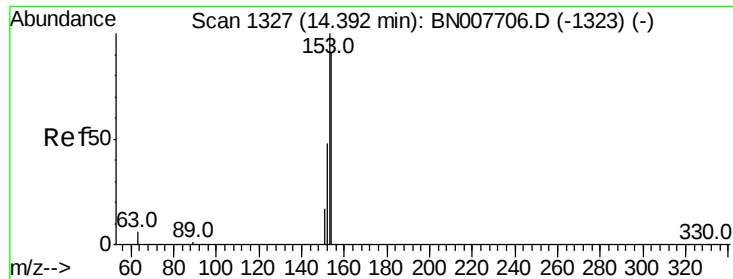
mohammad
10/7/2019 8:45:46 AM



#16
Acenaphthylene
Concen: 0.749 ng
RT: 14.03 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BN008016.D
Acq: 04 Oct 2019 22:46

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.5	23.3
153	13.4	10.4	15.6





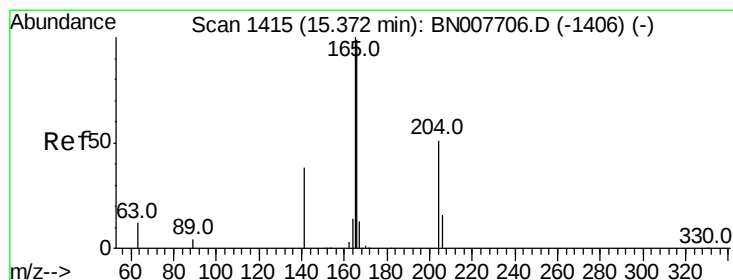
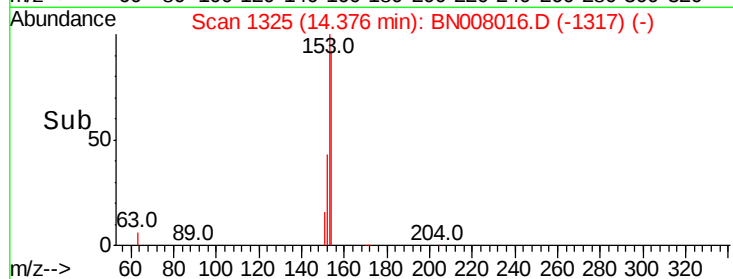
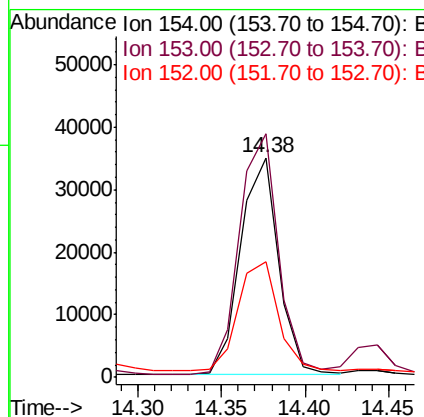
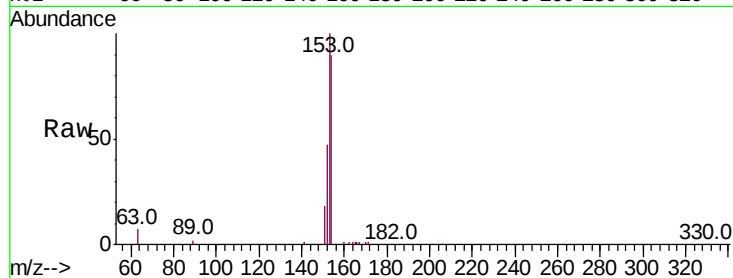
#17
Acenaphthene
Concen: 0.279 ng
RT: 14.38 min Scan# 1325
Delta R.T. -0.02 min
Lab File: BN008016.D
Acq: 04 Oct 2019 22:46

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW074-092519

Tot Ion	Ratio	Lower	Upper
154	100		
153	112.9	87.0	130.4
152	53.0	42.7	64.1

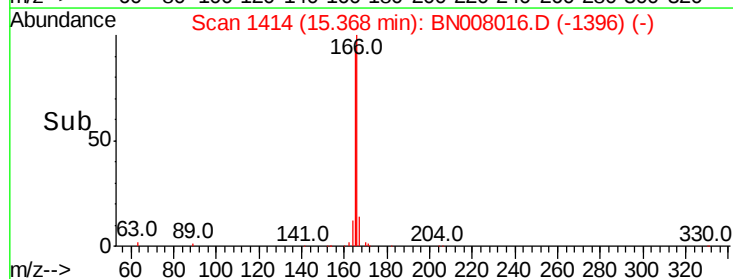
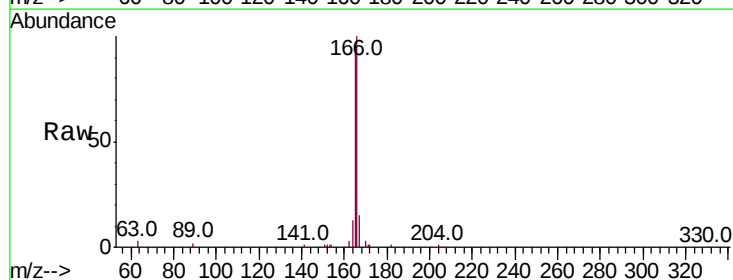
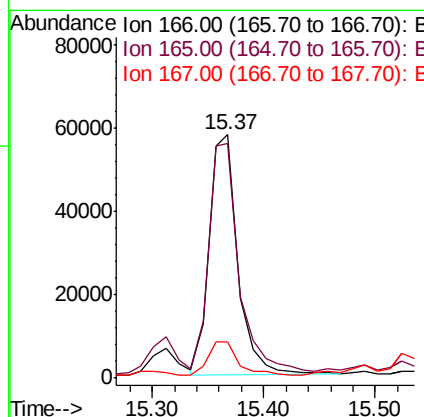
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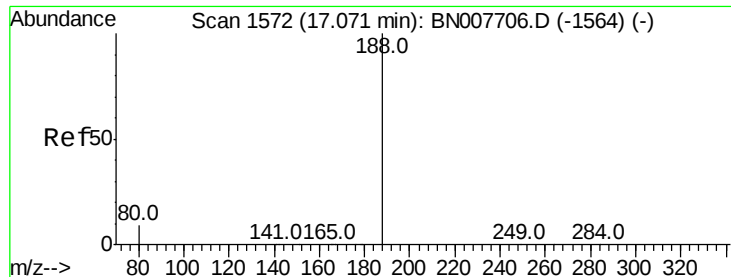
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#18
Fluorene
Concen: 0.406 ng
RT: 15.37 min Scan# 1414
Delta R.T. -0.00 min
Lab File: BN008016.D
Acq: 04 Oct 2019 22:46

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.2	78.0	117.0
167	15.1	10.9	16.3





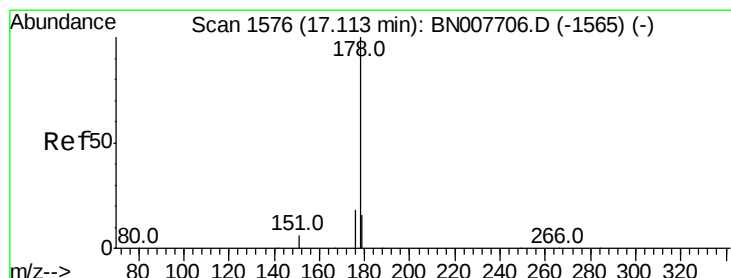
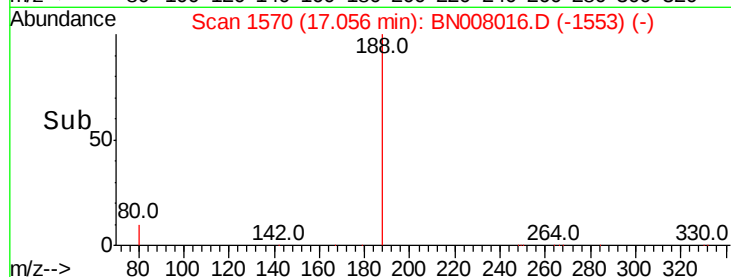
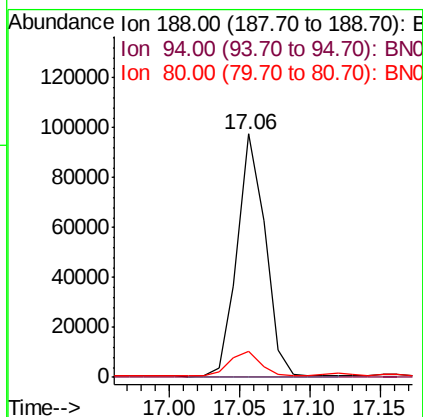
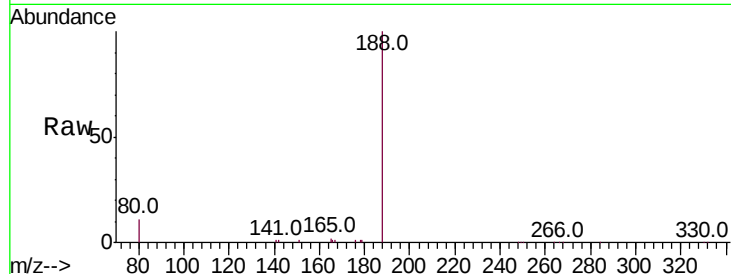
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.06 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BN008016.D
Acq: 04 Oct 2019 22:46

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW074-092519

Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.7	7.4	11.2

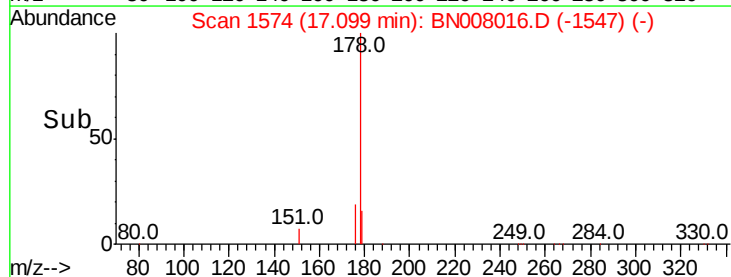
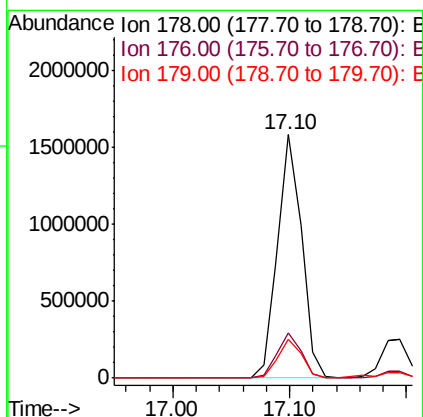
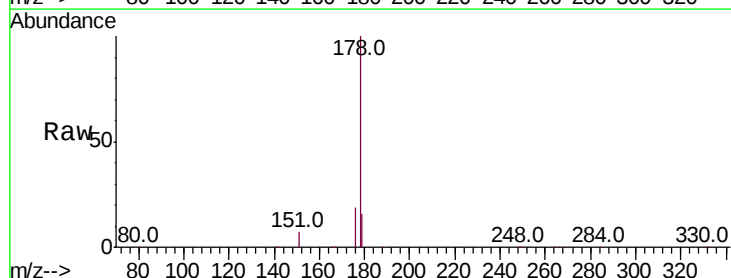
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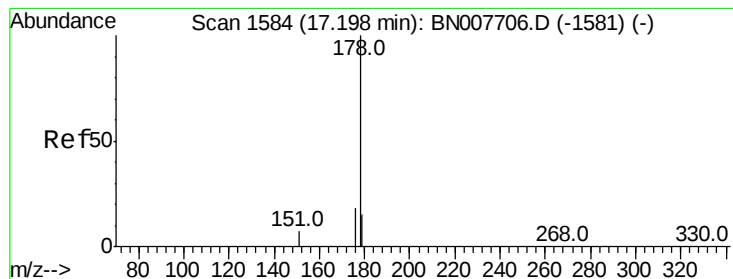
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#23
Phenanthrene
Concen: 5.431 ng
RT: 17.10 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BN008016.D
Acq: 04 Oct 2019 22:46

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.9	12.5	18.7





#24

Anthracene

Concen: 1.036 ng

RT: 17.19 min Scan# 1583

Delta R.T. -0.00 min

Lab File: BN008016.D

Acq: 04 Oct 2019 22:46

Instrument :

BNA_N

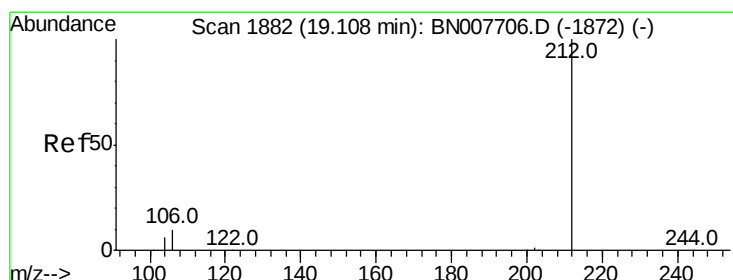
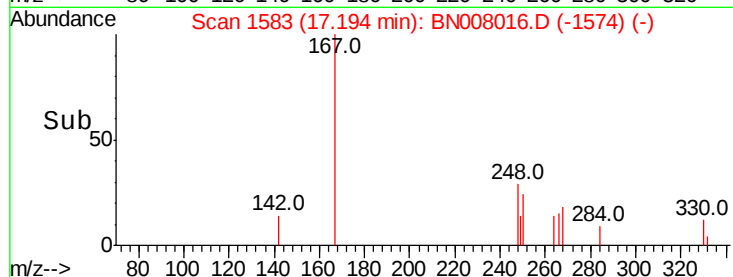
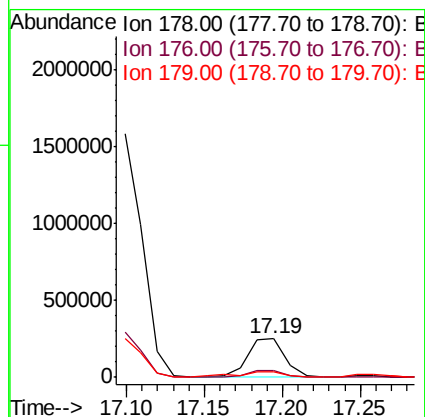
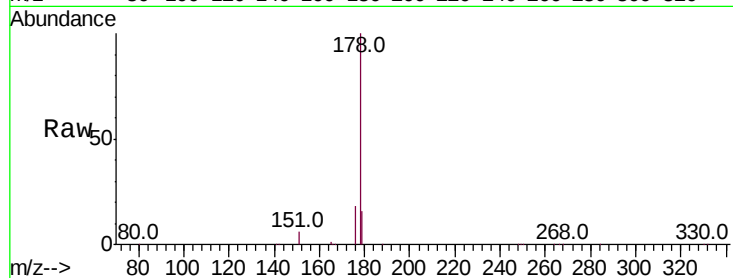
ClientSampleId :

EXT-024-SW074-092519

Tot Ion:	178	Resp:	392832
Ion Ratio	Lower	Upper	
178	100		
176	18.0	14.6	21.8
179	19.7	12.2	18.4#

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#25

Fluoranthene-d10

Concen: 0.037 ng

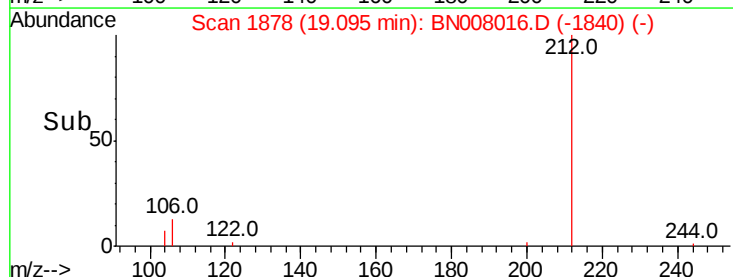
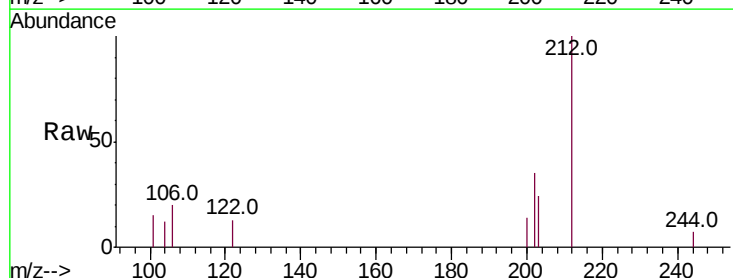
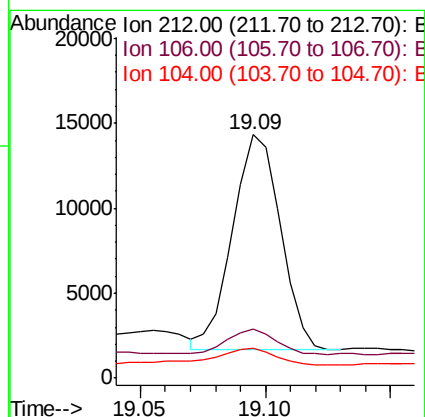
RT: 19.09 min Scan# 1878

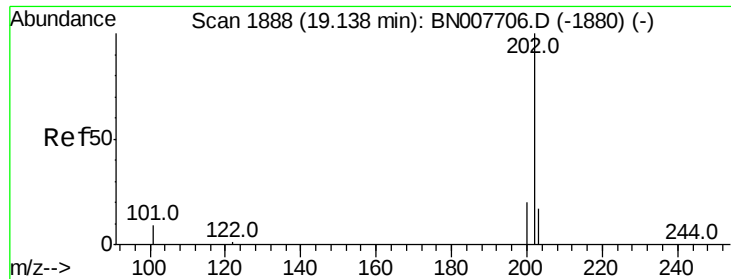
Delta R.T. -0.01 min

Lab File: BN008016.D

Acq: 04 Oct 2019 22:46

Tgt Ion:	212	Resp:	16695
Ion Ratio	Lower	Upper	
212	100		
106	11.7	9.4	14.0
104	11.3	5.3	7.9#





#26

Fluoranthene

Concen: 7.594 ng

RT: 19.13 min Scan# 1885

Delta R.T. -0.01 min

Lab File: BN008016.D

Acq: 04 Oct 2019 22:46

Instrument :

BNA_N

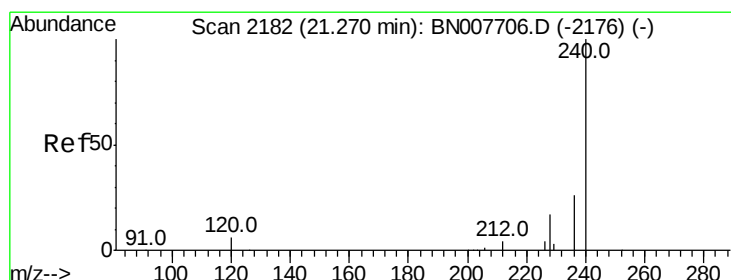
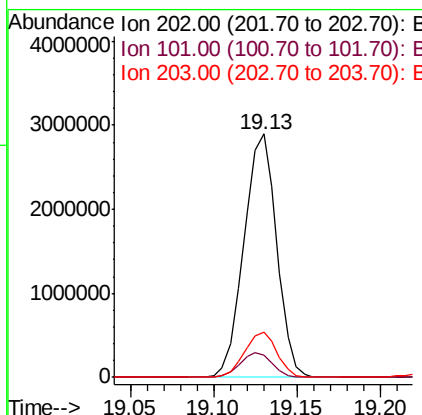
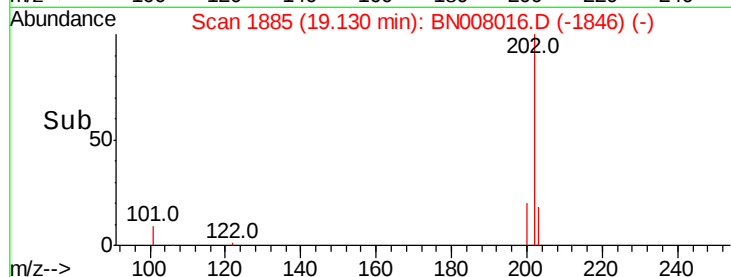
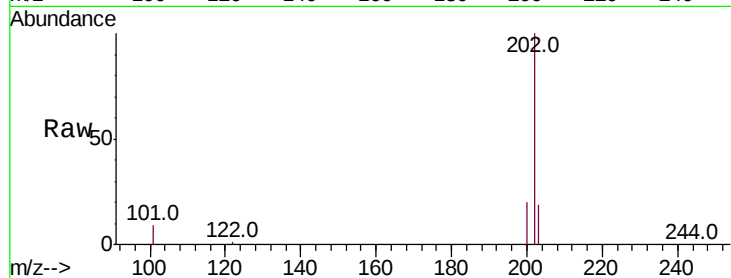
ClientSampleId :

EXT-024-SW074-092519

Tot Ion:	202	Resp:	3964161
Ion Ratio	Lower	Upper	
202	100		
101	10.0	8.4	12.6
203	18.2	13.8	20.8

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#27

Chrysene-d12

Concen: 0.400 ng

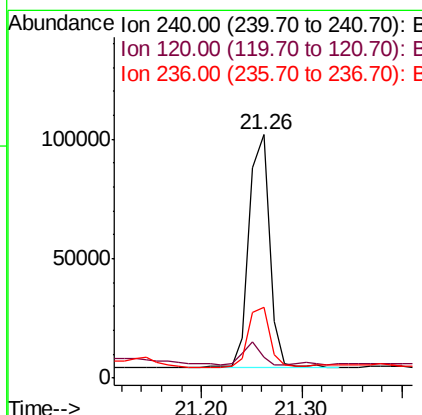
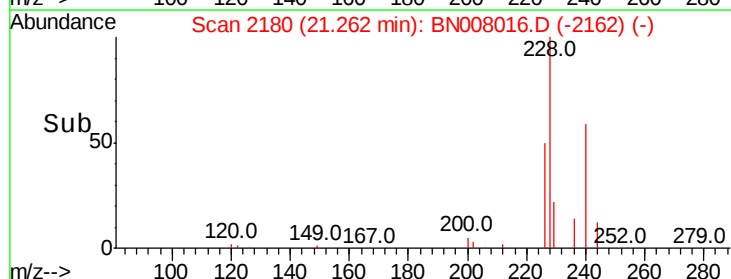
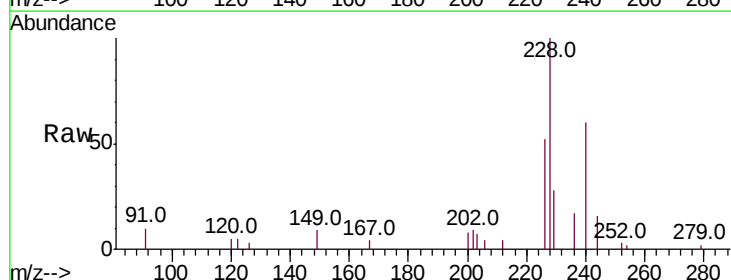
RT: 21.26 min Scan# 2180

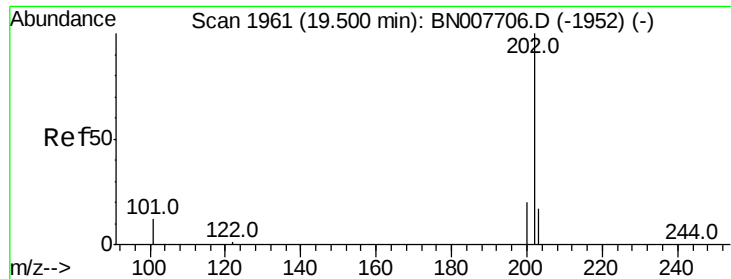
Delta R.T. -0.01 min

Lab File: BN008016.D

Acq: 04 Oct 2019 22:46

Tgt Ion:	240	Resp:	140994
Ion Ratio	Lower	Upper	
240	100		
120	8.7	5.4	8.2#
236	29.1	21.0	31.4





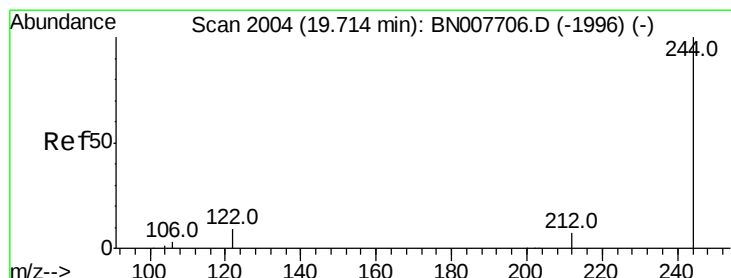
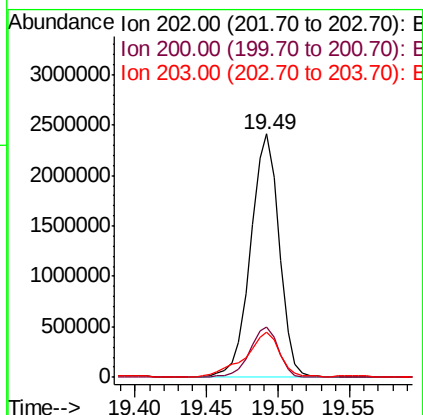
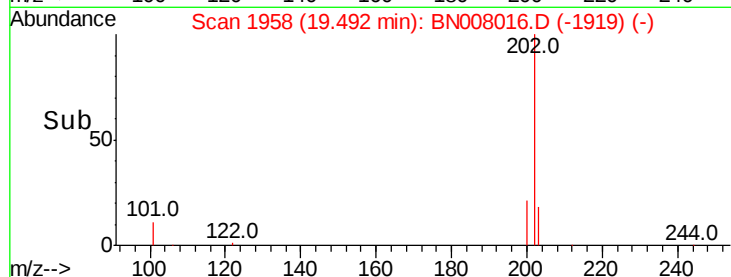
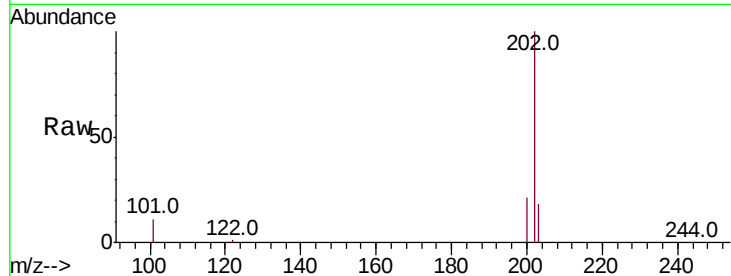
#28
Pvrene
Concen: 6.997 ng
RT: 19.49 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BN008016.D
Acq: 04 Oct 2019 22:46

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW074-092519

Tot Ion:202 Resp: 3364660
Ion Ratio Lower Upper
202 100
200 20.7 16.4 24.6
203 22.0 14.1 21.1#

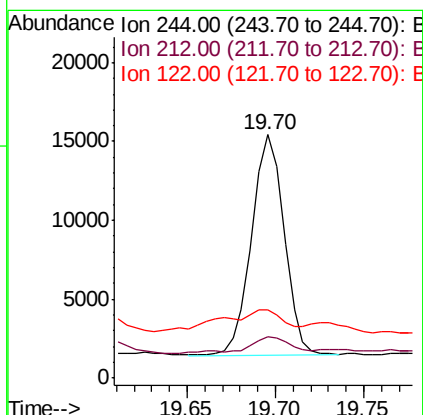
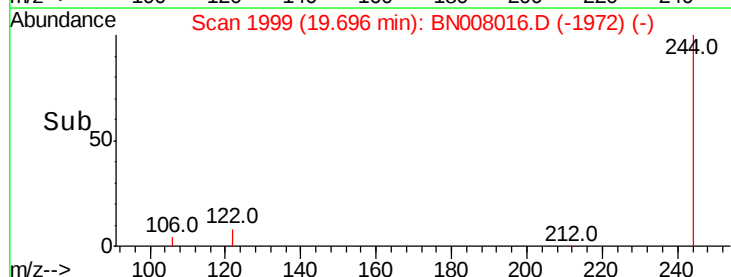
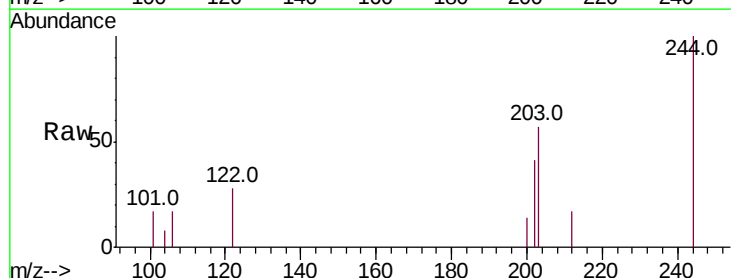
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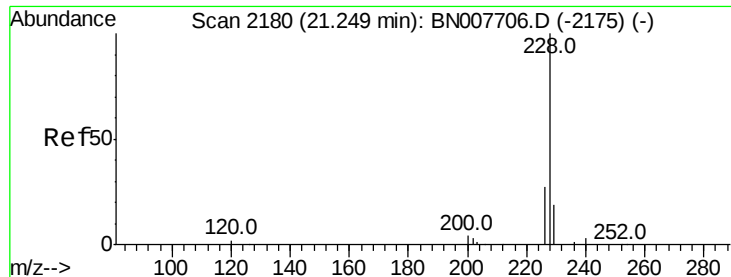
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#29
Terphenyl-d14
Concen: 0.052 ng
RT: 19.70 min Scan# 1999
Delta R.T. -0.02 min
Lab File: BN008016.D
Acq: 04 Oct 2019 22:46

Tgt Ion:244 Resp: 17919
Ion Ratio Lower Upper
244 100
212 16.8 5.9 8.9#
122 27.8 7.4 11.2#





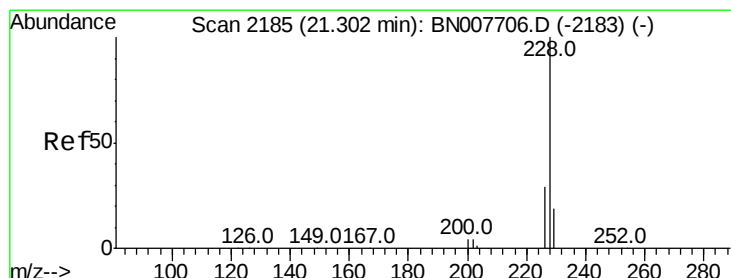
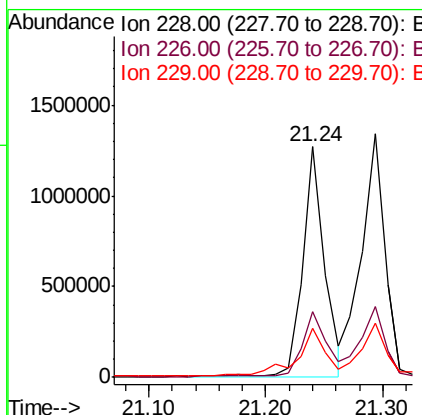
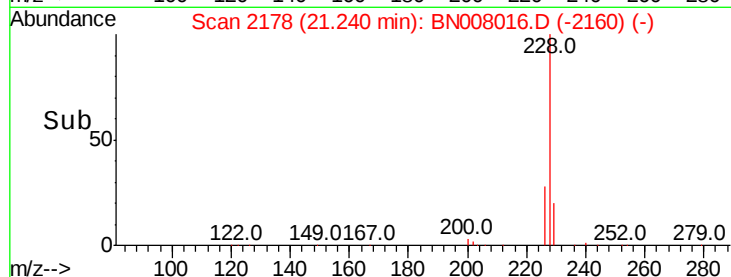
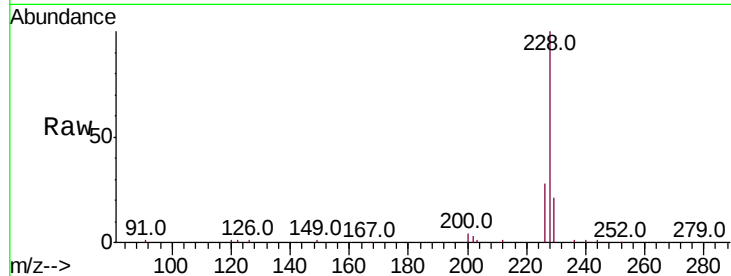
#30
Benzo(a)anthracene
Concen: 3.160 ng
RT: 21.24 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BN008016.D
Acq: 04 Oct 2019 22:46

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW074-092519

Tot Ion:228 Resp: 1640498
Ion Ratio Lower Upper
228 100
226 28.3 22.1 33.1
229 21.2 15.8 23.6

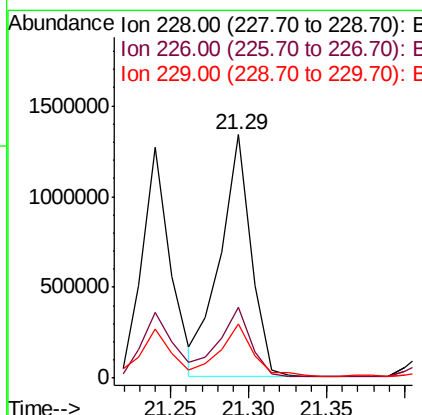
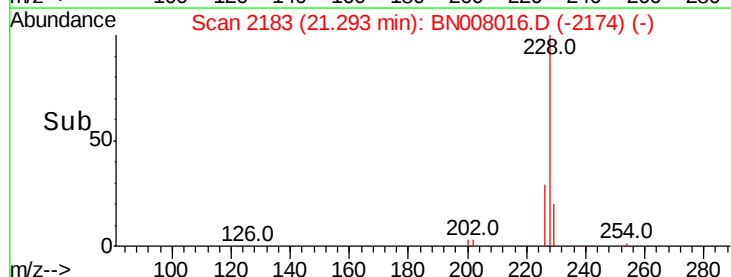
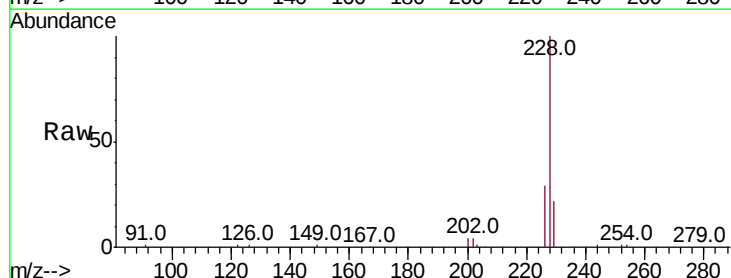
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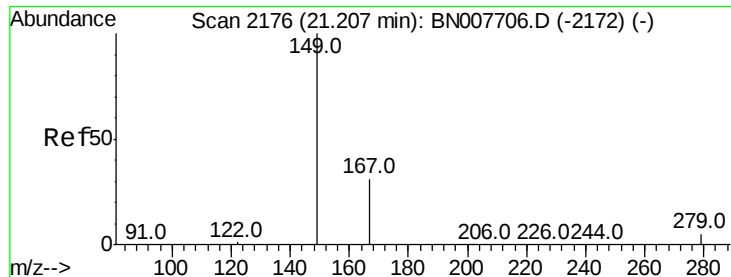
mohammad
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#31
Chrysene
Concen: 3.644 ng
RT: 21.29 min Scan# 2183
Delta R.T. -0.01 min
Lab File: BN008016.D
Acq: 04 Oct 2019 22:46

Tgt Ion:228 Resp: 1843789
Ion Ratio Lower Upper
228 100
226 29.2 23.9 35.9
229 22.5 15.8 23.6





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.936 ng/ml

RT: 21.18 min Scan# 2172

Delta R.T. -0.03 min

Lab File: BN008016.D

Acq: 04 Oct 2019 22:46

Instrument :

BNA_N

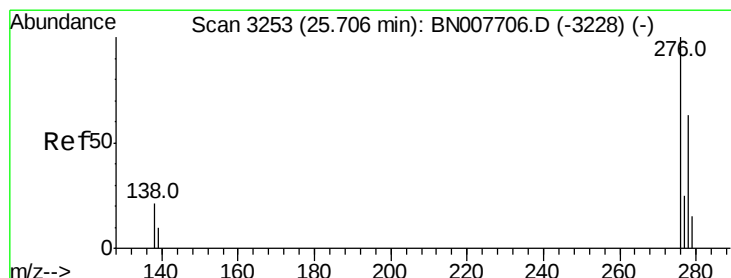
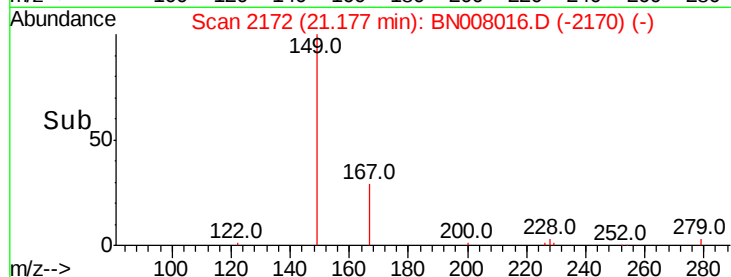
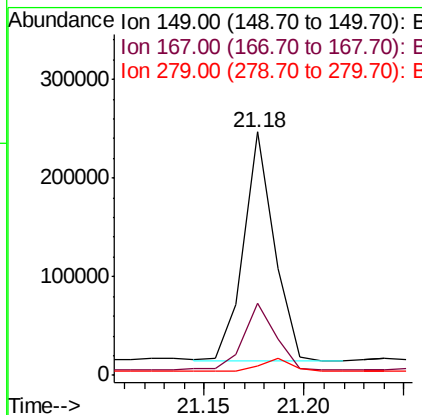
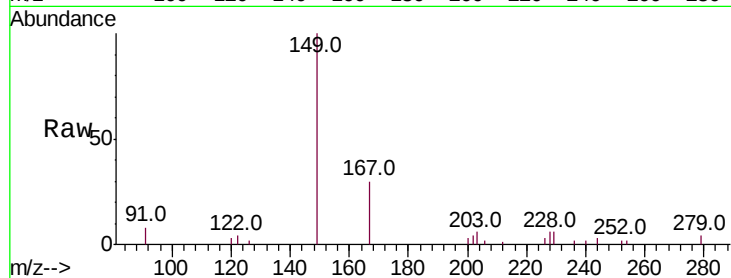
ClientSampleId :

EXT-024-SW074-092519

Tot Ion:	149	Resp:	249825
Ion Ratio	Lower	Upper	
149	100		
167	25.5	23.7	35.5
279	5.5	4.2	6.2

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#33

Indeno(1,2,3-cd)pyrene

Concen: 2.004 ng

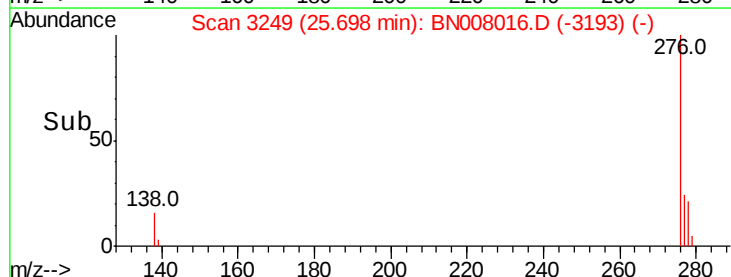
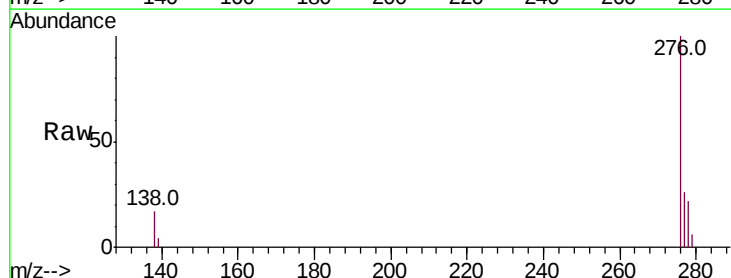
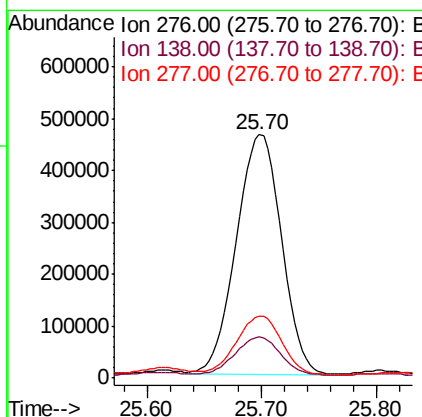
RT: 25.70 min Scan# 3249

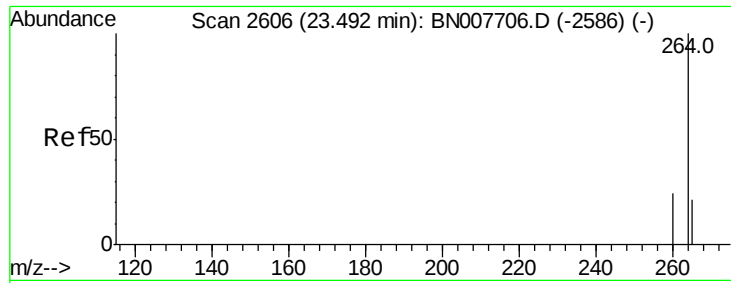
Delta R.T. -0.01 min

Lab File: BN008016.D

Acq: 04 Oct 2019 22:46

Tgt Ion:	276	Resp:	1269352
Ion Ratio	Lower	Upper	
276	100		
138	15.9	17.1	25.7#
277	24.6	20.0	30.0





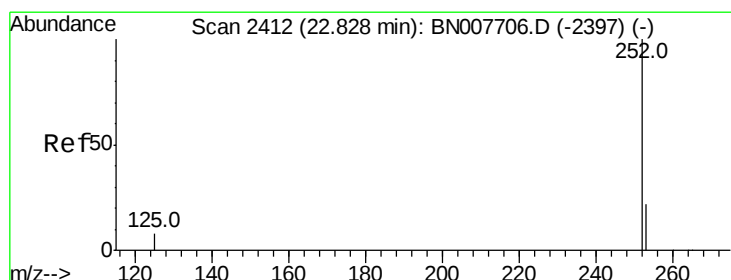
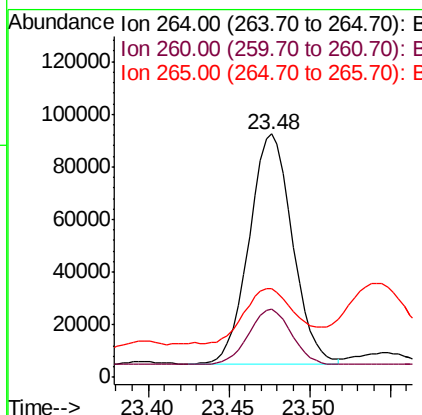
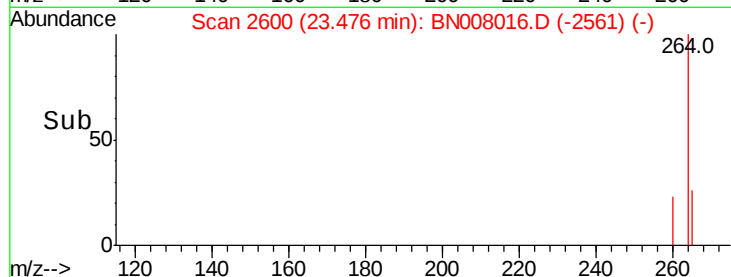
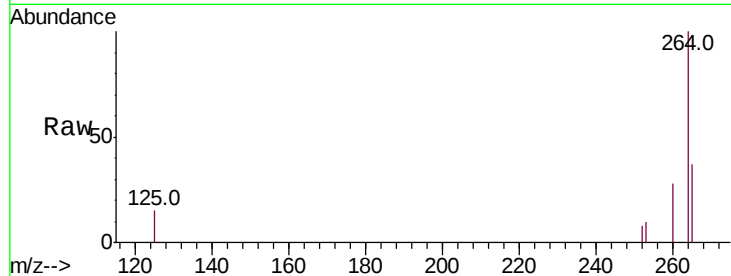
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.48 min Scan# 2600
 Delta R.T. -0.02 min
 Lab File: BN008016.D
 Acq: 04 Oct 2019 22:46

Instrument :
 BNA_N
 ClientSampleId :
 EXT-024-SW074-092519

Tot Ion	Ratio	Lower	Upper
264	100		
260	27.8	19.3	28.9
265	36.5	26.9	40.3

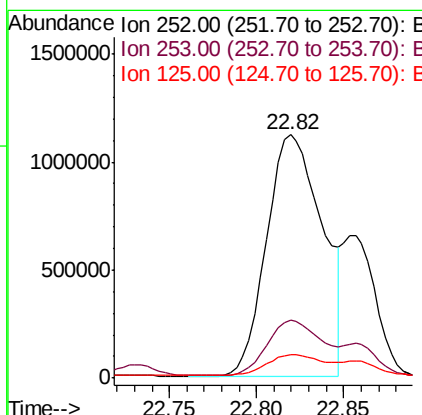
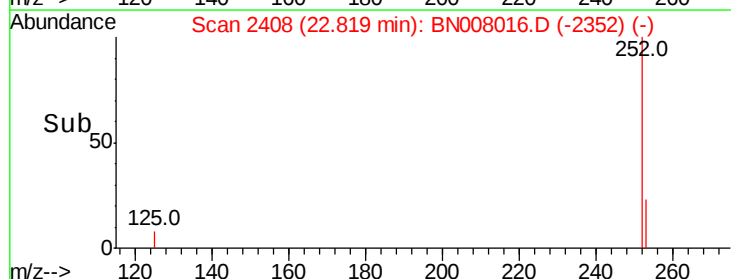
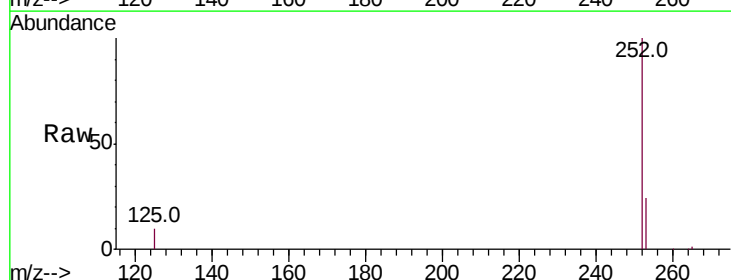
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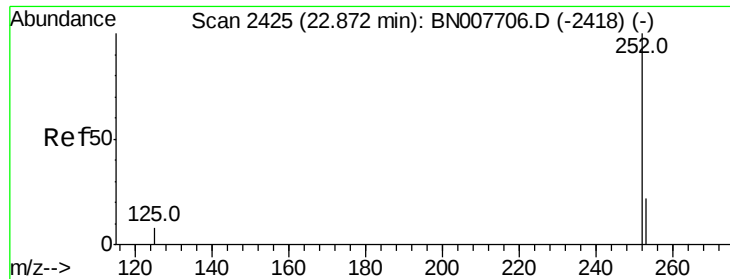
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#35
 Benzo(b)fluoranthene
 Concen: 4.450 ng
 RT: 22.82 min Scan# 2408
 Delta R.T. -0.01 min
 Lab File: BN008016.D
 Acq: 04 Oct 2019 22:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.3	27.5
125	9.5	8.2	12.4





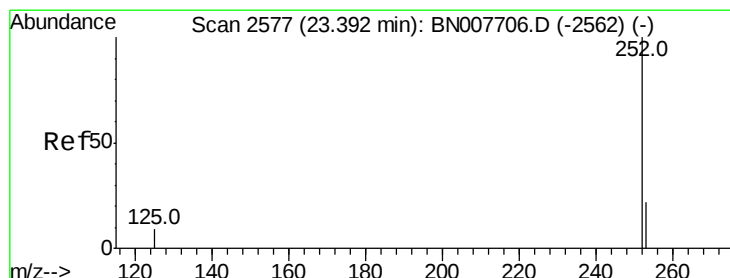
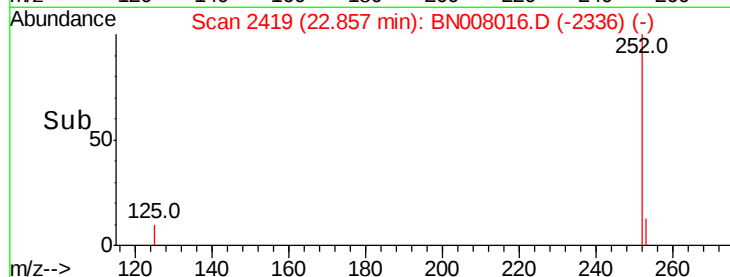
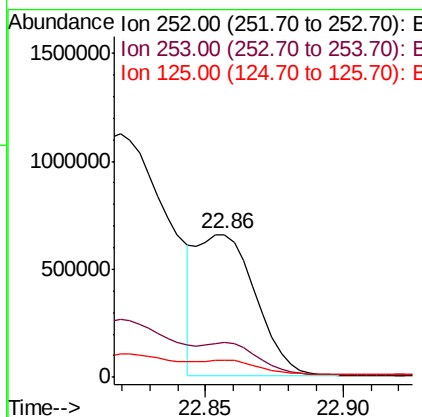
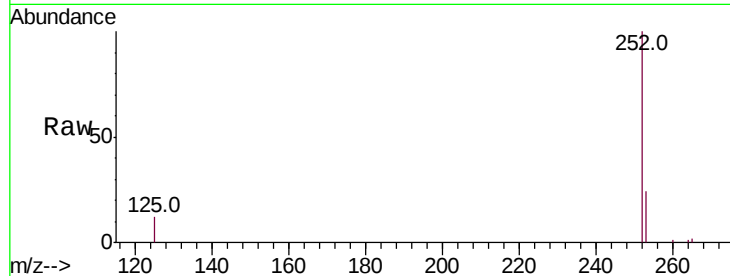
#36
Benzo(k)fluoranthene
Concen: 1.749 ng m
RT: 22.86 min Scan# 2419
Delta R.T. -0.02 min
Lab File: BN008016.D
Acq: 04 Oct 2019 22:46

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW074-092519

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.5	27.7
125	12.4	8.4	12.6

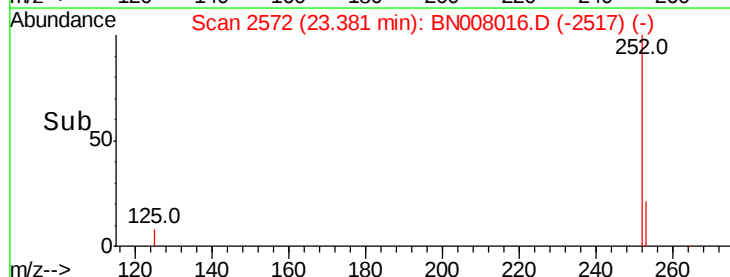
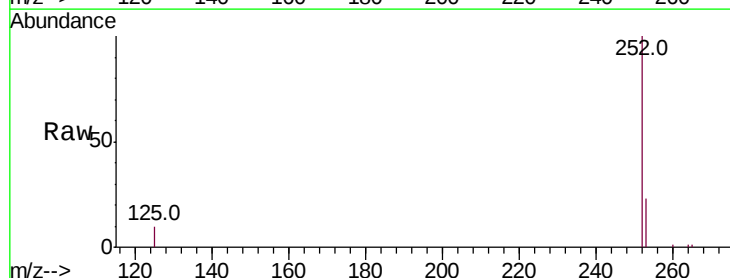
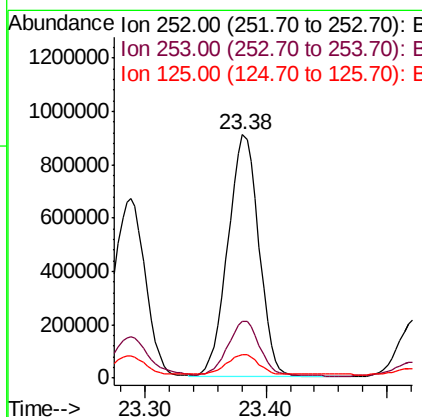
Manual Integrations
APPROVED

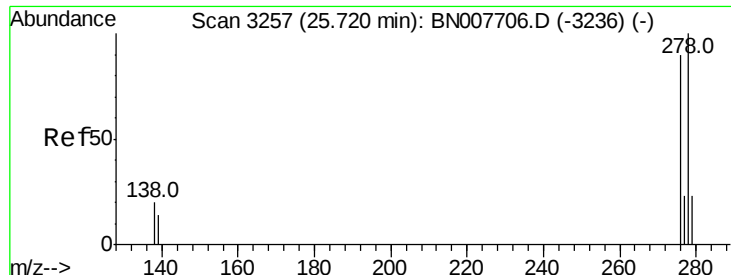
mohammad
10/7/2019 8:45:46 AM



#37
Benzo(a)pyrene
Concen: 3.025 ng
RT: 23.38 min Scan# 2572
Delta R.T. -0.01 min
Lab File: BN008016.D
Acq: 04 Oct 2019 22:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.6	27.8
125	9.9	9.4	14.0





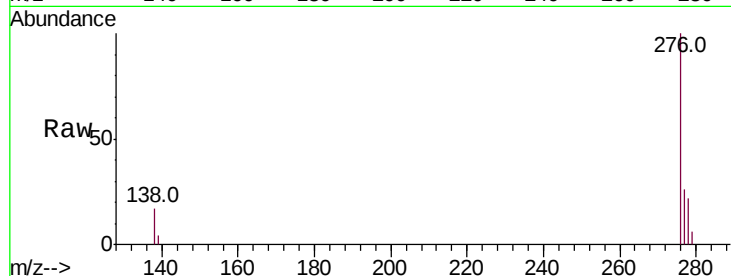
#38
Dibenzo(a,h)anthracene
Concen: 0.560 ng
RT: 25.70 min Scan# 3250
Delta R.T. -0.02 min
Lab File: BN008016.D
Acq: 04 Oct 2019 22:46

Instrument :
BNA_N
ClientSampleId :
EXT-024-SW074-092519

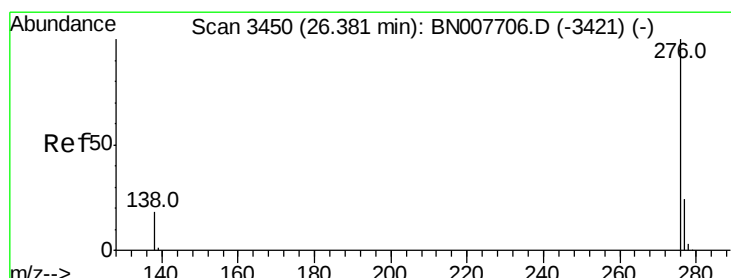
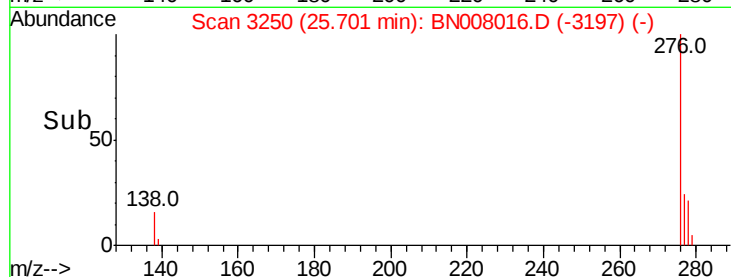
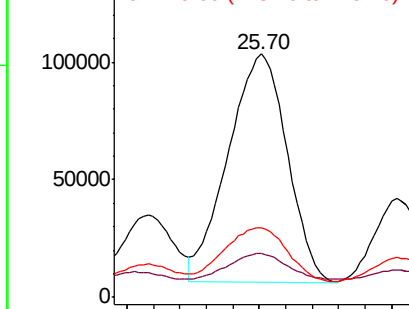
Tot Ion	Ratio	Lower	Upper
278	100		
139	18.1	11.8	17.6#
279	28.7	19.4	29.2

Manual Integrations
APPROVED

mohammad
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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: 2.261 ng
RT: 26.38 min Scan# 3448
Delta R.T. -0.00 min
Lab File: BN008016.D
Acq: 04 Oct 2019 22:46

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.8	29.8
138	17.2	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

