

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN041420\
 Data File : BN010497.D
 Acq On : 15 Apr 2020 02:54
 Operator : CG/JU
 Sample : L2017-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 50

Instrument :
 BNA_N
 ClientSampleId :
 FE-SB-32-(8.5-9)

Manual Integrations
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 4/16/2020 12:51:56 PM

Quant Time: Apr 16 04:32:24 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 13 18:04:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	167890	20.00	ng	0.00
7) Naphthalene-d8	10.37	136	719723	20.00	ng	0.00
13) Acenaphthene-d10	14.22	164	492608	20.00	ng	0.00
19) Phenanthrene-d10	16.97	188	1182787	20.00	ng	0.00
27) Chrysene-d12	21.17	240	1365009	20.00	ng	-0.01
34) Perylene-d12	23.35	264	1188158	20.00	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	1063052	144.56	ng	0.00
5) Phenol-d6	6.79	99	1406273	146.35	ng	0.00
8) Nitrobenzene-d5	8.73	82	903895	89.82	ng	-0.01
11) 2-Methylnaphthalene-d10	0.00	152	0d	0.00	ng	
14) 2,4,6-Tribromophenol	15.73	330	753338	162.23	ng	0.00
15) 2-Fluorobiphenyl	12.84	172	2536237	70.74	ng	0.00
25) Fluoranthene-d10	0.00	212	0d	0.00	ng	
29) Terphenyl-d14	19.62	244	3697365	59.18	ng	0.00

Target Compounds						Qvalue
23) Phenanthrene	17.02	178	3608m	0.056	ng	
26) Fluoranthene	19.04	202	5962	0.075	ng	99
28) Pyrene	19.41	202	7214	0.079	ng	# 91
30) Benzo(a)anthracene	21.16	228	9738	0.109	ng	# 93
31) Chrysene	21.21	228	4486	0.051	ng	# 93
32) Bis(2-ethylhexyl)phthalate	21.11	149	1714	0.038	ng	# 97
33) Indeno(1,2,3-cd)pyrene	25.49	276	3367	0.043	ng	# 91
35) Benzo(b)fluoranthene	22.70	252	6608	0.084	ng	# 66
36) Benzo(k)fluoranthene	22.74	252	2856m	0.036	ng	
37) Benzo(a)pyrene	23.25	252	5918	0.085	ng	# 65
39) Benzo(a,h,i)perylene	26.14	276	3672	0.058	ng	# 83

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

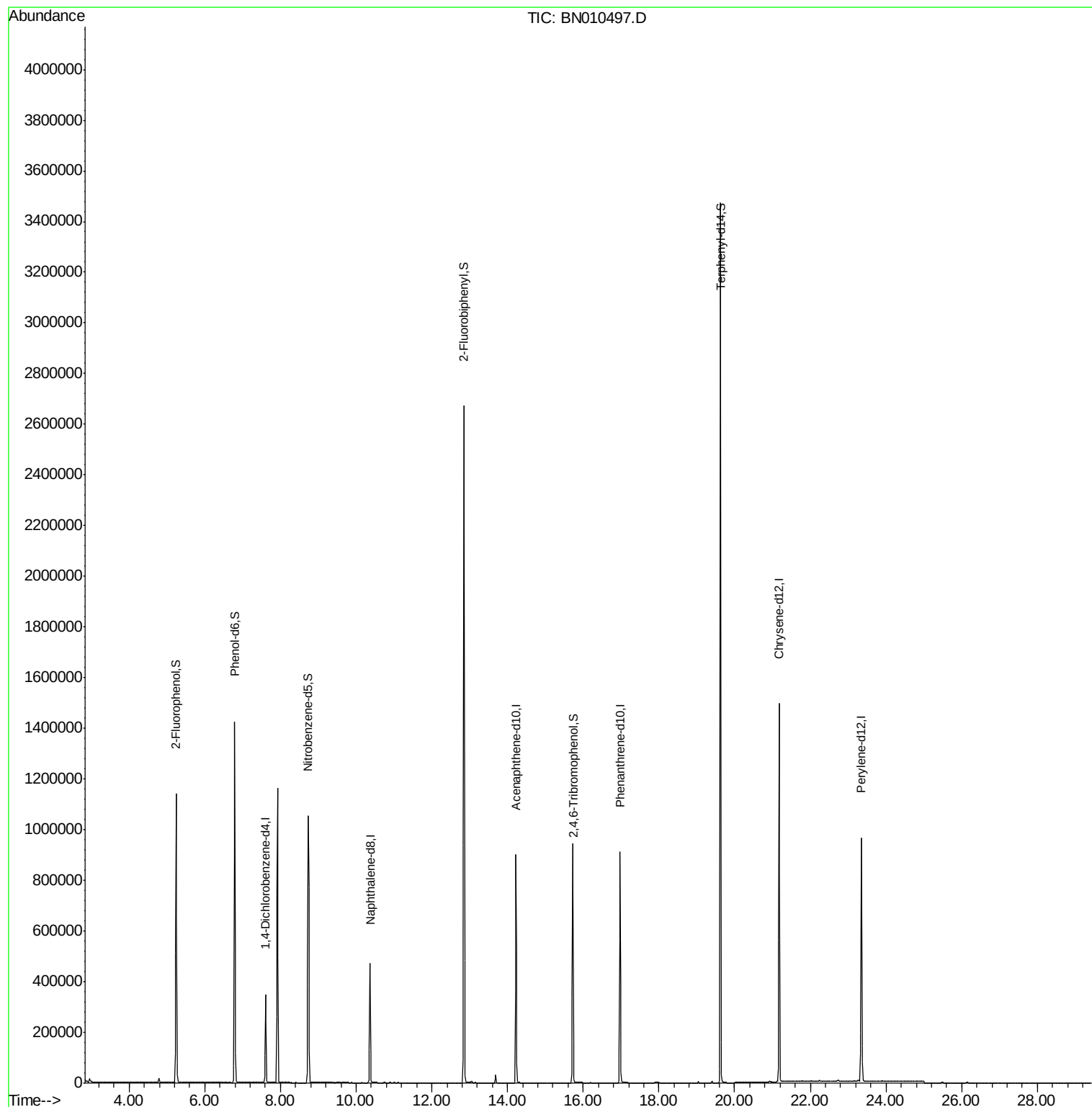
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN041420\
Data File : BN010497.D
Acq On : 15 Apr 2020 02:54
Operator : CG/JU
Sample : L2017-01
Misc :
ALS Vial : 19 Sample Multiplier: 50

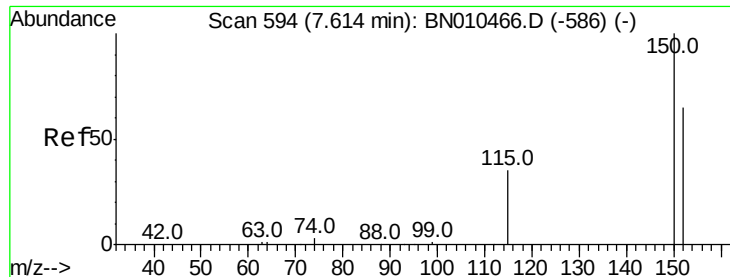
Instrument :
BNA_N
ClientSampleId :
FE-SB-32-(8.5-9)

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M
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#1

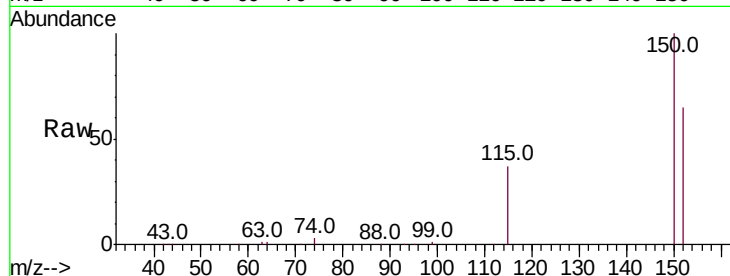
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.61 min Scan# 593
Delta R.T. -0.01 min
Lab File: BN010497.D
Acq: 15 Apr 2020 02:54

Instrument :
BNA_N
ClientSampleId :
FE-SB-32-(8.5-9)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	121.8	182.6
115	56.8	45.5	68.3

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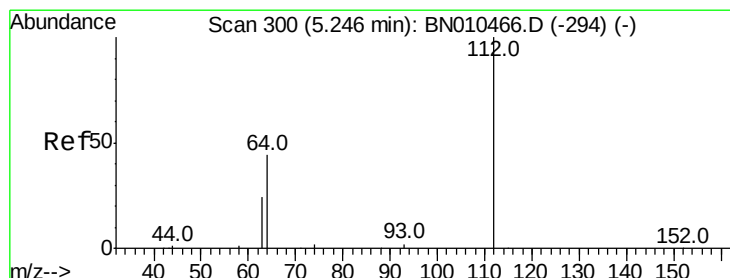
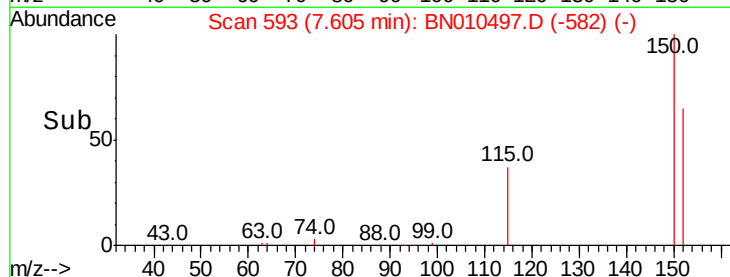
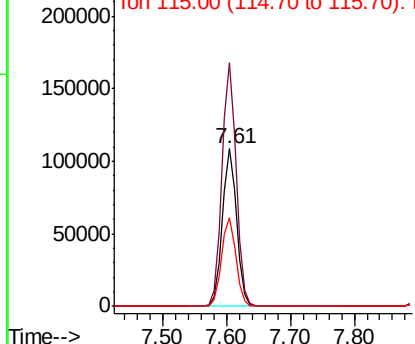


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

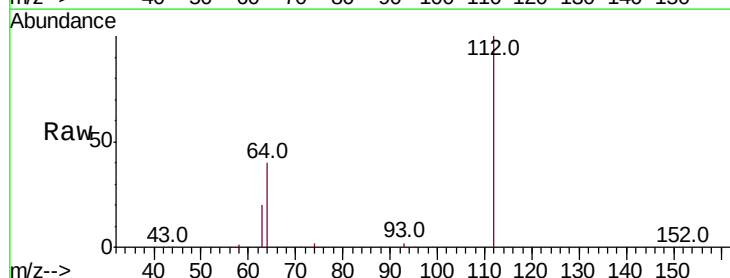
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 144.562 ng
RT: 5.25 min Scan# 300
Delta R.T. -0.00 min
Lab File: BN010497.D
Acq: 15 Apr 2020 02:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	44.9	35.8	53.8
63	23.8	19.9	29.9

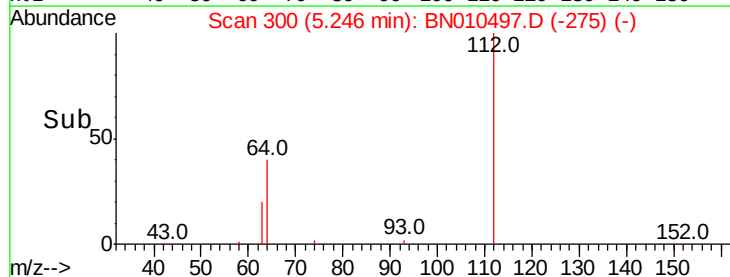
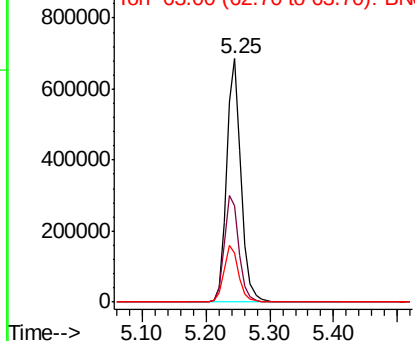


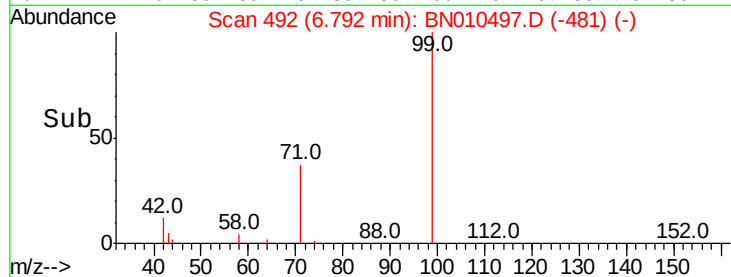
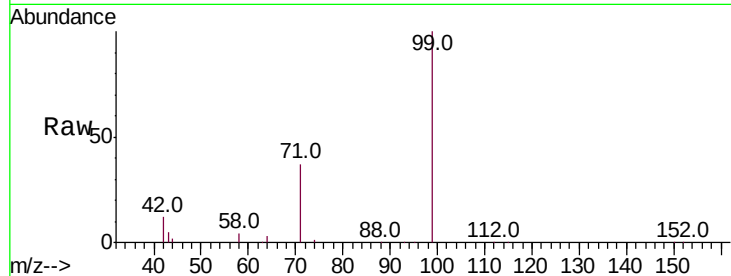
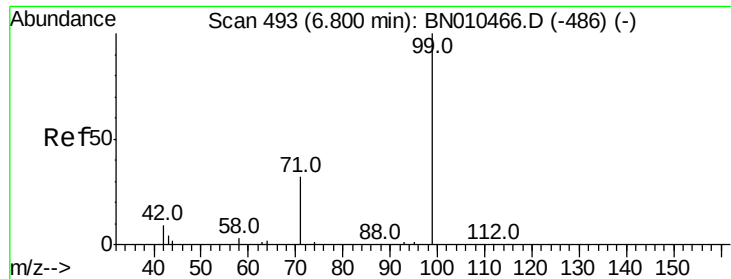
Abundance

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: 146.346 ng

RT: 6.79 min Scan# 492

Delta R.T. -0.01 min

Lab File: BN010497.D

Acq: 15 Apr 2020 02:54

Tot Ion: 99 Resp: 1406273

Ion Ratio Lower Upper

99 100

42 11.3 9.8 14.6

71 35.0 27.8 41.8

Instrument :

BNA_N

ClientSampleId :

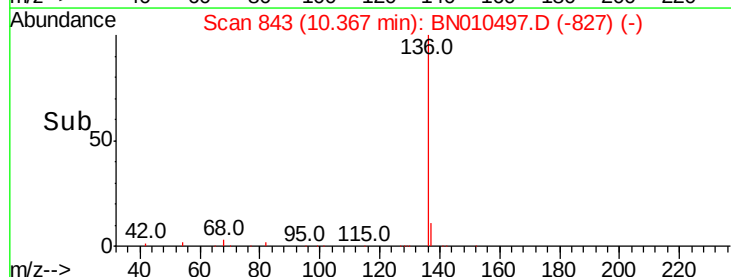
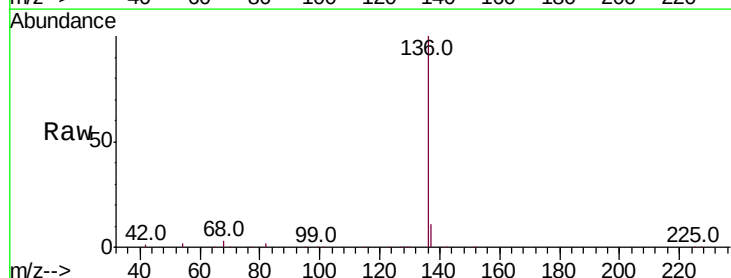
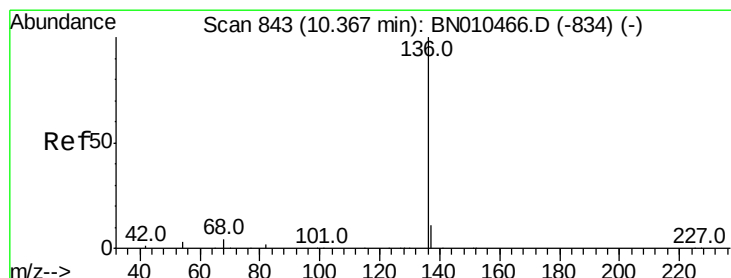
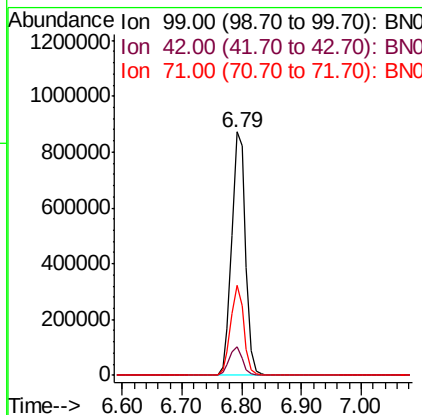
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#7

Naphthalene-d8

Concen: 20.000 ng

RT: 10.37 min Scan# 843

Delta R.T. -0.00 min

Lab File: BN010497.D

Acq: 15 Apr 2020 02:54

Tgt Ion: 136 Resp: 719723

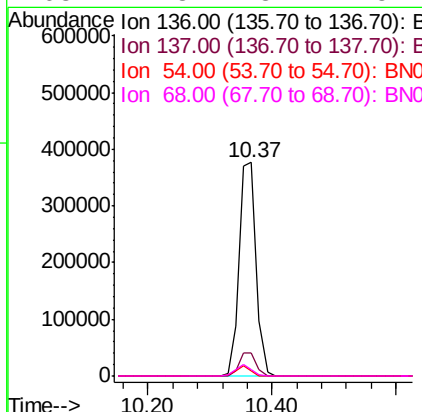
Ion Ratio Lower Upper

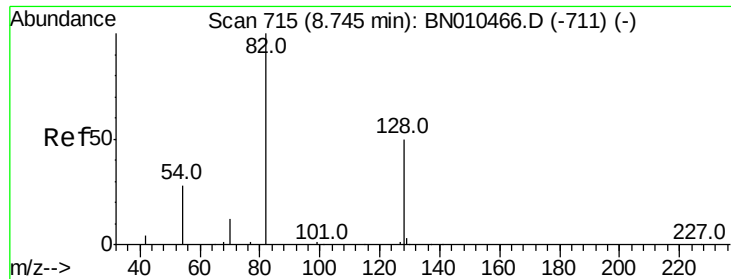
136 100

137 11.0 8.9 13.3

54 2.1 2.6 4.0#

68 2.8 3.4 5.2#





#8

Nitrobenzene-d5

Concen: 89.825 ng

RT: 8.73 min Scan# 714

Delta R.T. -0.01 min

Lab File: BN010497.D

Acq: 15 Apr 2020 02:54

Instrument :

BNA_N

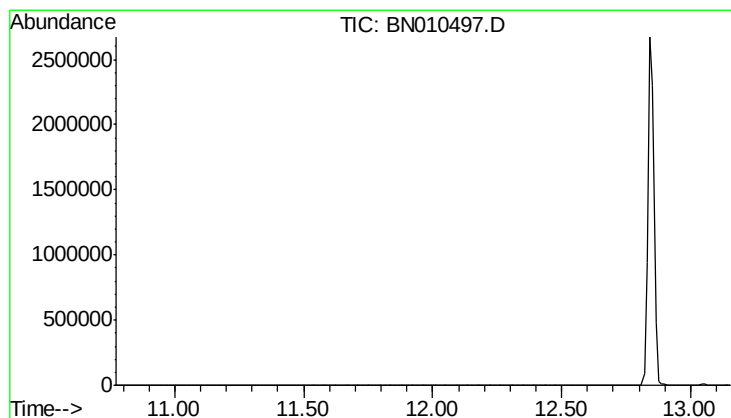
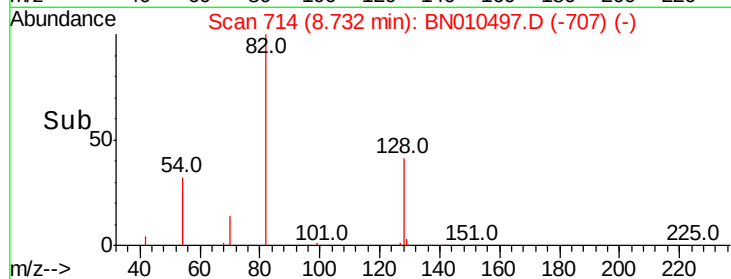
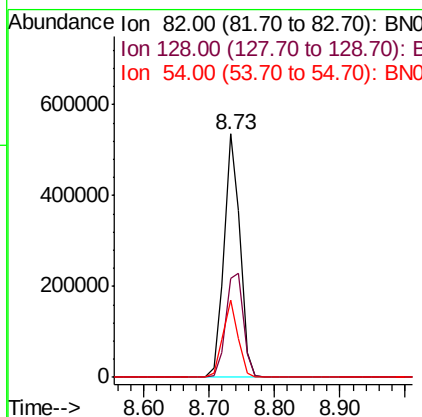
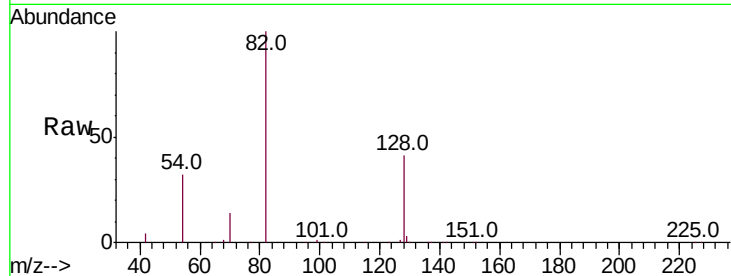
ClientSampleId :

FE-SB-32-(8.5-9)

Tot Ion:	82	Resp:	903895
Ion Ratio	Lower	Upper	
82	100		
128	40.6	41.3	61.9#
54	31.8	23.4	35.0

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#11

2-Methylnaphthalene-d10

Concen: 0.000 ng

Expected RT: 11.96 min

Lab File: BN010497.D

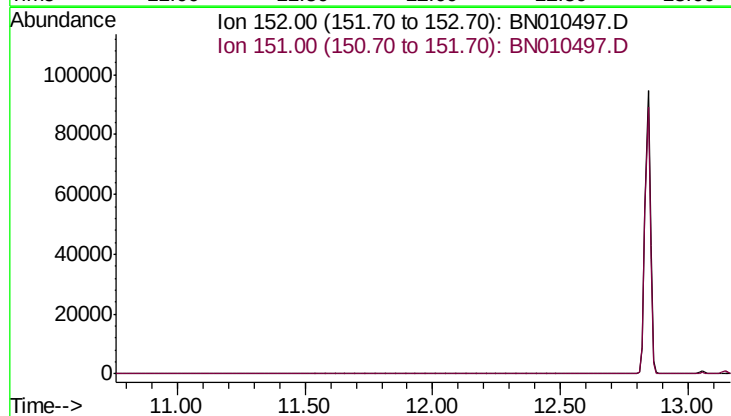
Acq: 15 Apr 2020 02:54

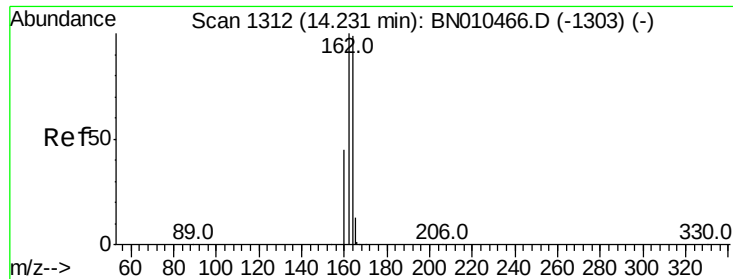
Tgt Ion: 152

Sig Exp Ratio

152 100

151 19.1





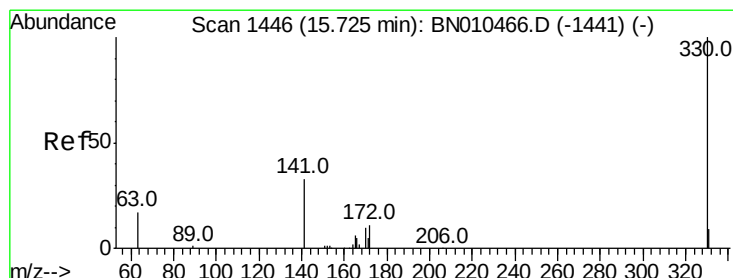
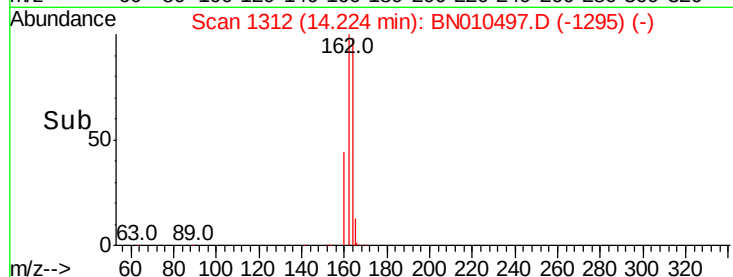
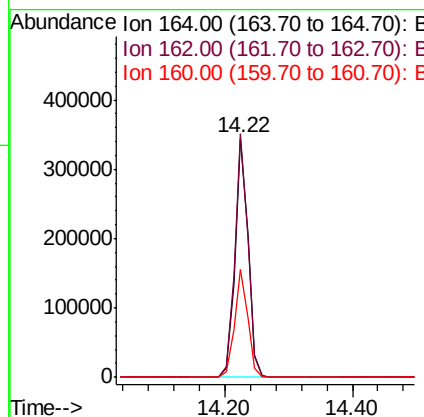
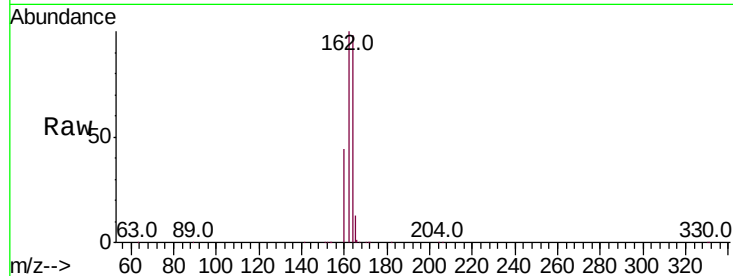
#13
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.22 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BN010497.D
Acq: 15 Apr 2020 02:54

Instrument :
BNA_N
ClientSampleId :
FE-SB-32-(8.5-9)

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.1	80.6	121.0
160	45.2	36.5	54.7

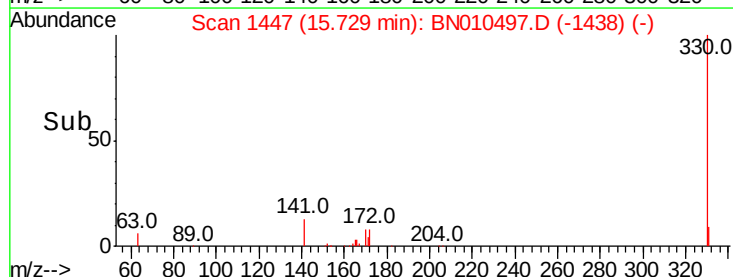
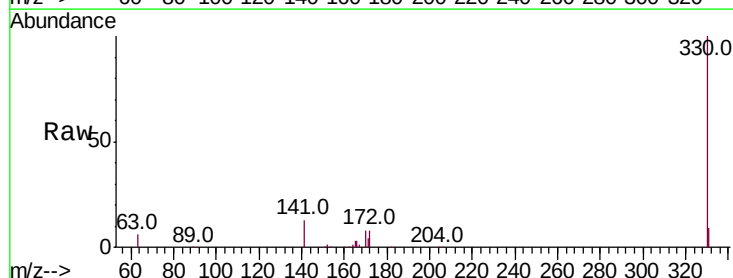
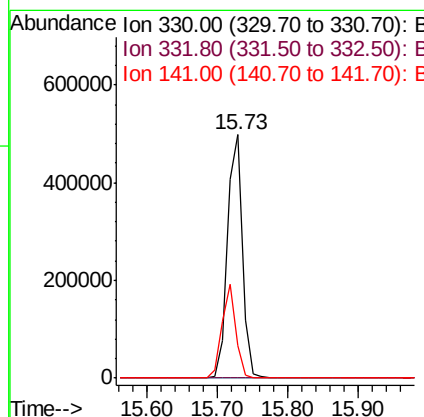
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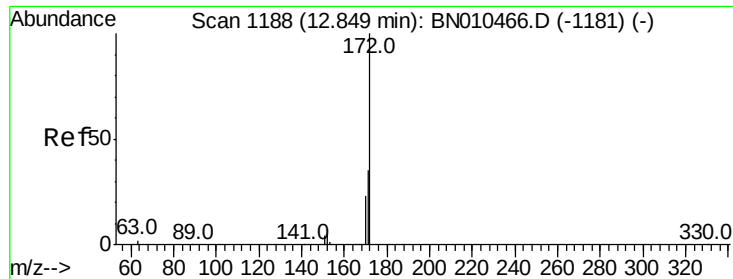
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#14
2,4,6-Tribromophenol
Concen: 162.226 ng
RT: 15.73 min Scan# 1447
Delta R.T. 0.00 min
Lab File: BN010497.D
Acq: 15 Apr 2020 02:54

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	35.5	28.1	42.1





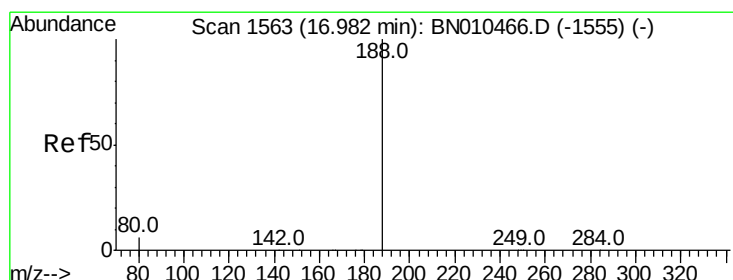
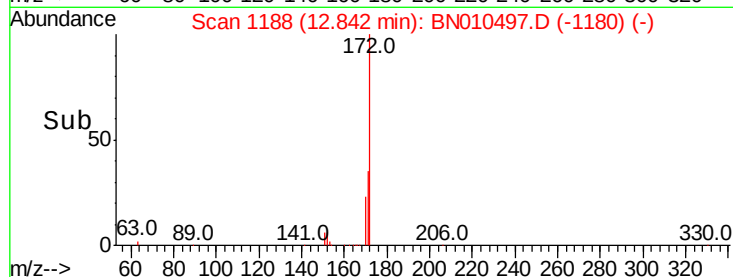
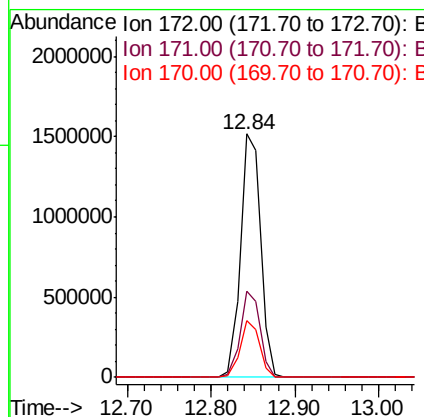
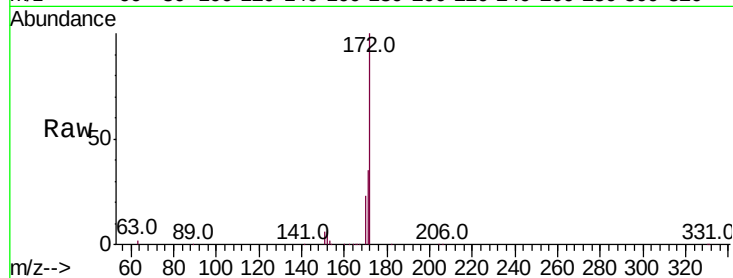
#15
2-Fluorobiphenyl
Concen: 70.740 ng
RT: 12.84 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BN010497.D
Acq: 15 Apr 2020 02:54

Instrument :
BNA_N
ClientSampleId :
FE-SB-32-(8.5-9)

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.2
170	23.4	18.4	27.6

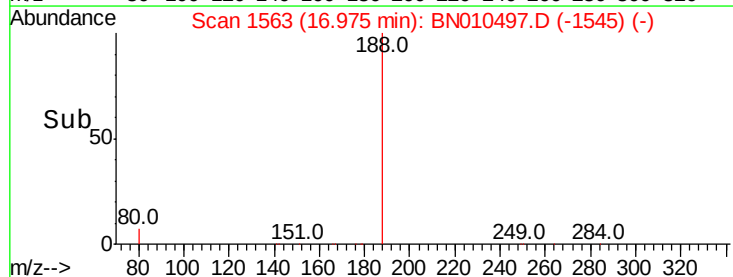
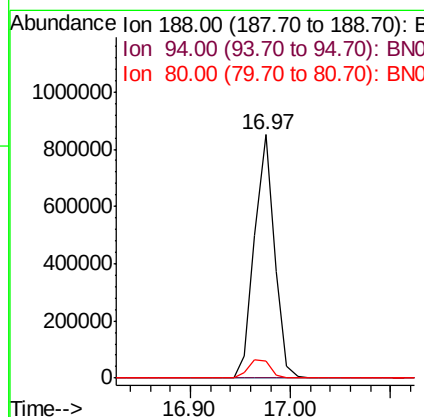
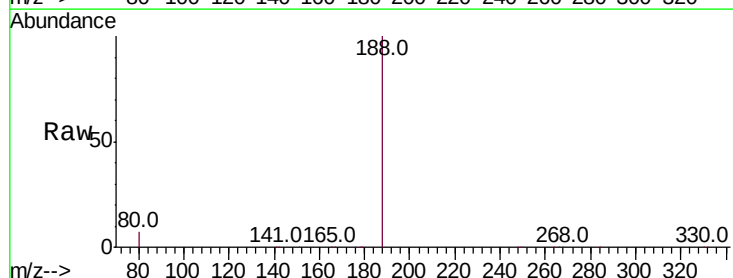
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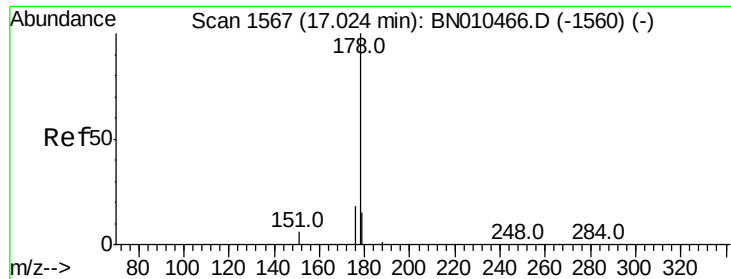
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#19
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.97 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BN010497.D
Acq: 15 Apr 2020 02:54

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.8	5.0	7.6





#23

Phenanthrene

Concen: 0.056 ng/ml

RT: 17.02 min Scan# 1567

Delta R.T. -0.01 min

Lab File: BN010497.D

Acq: 15 Apr 2020 02:54

Instrument :

BNA_N

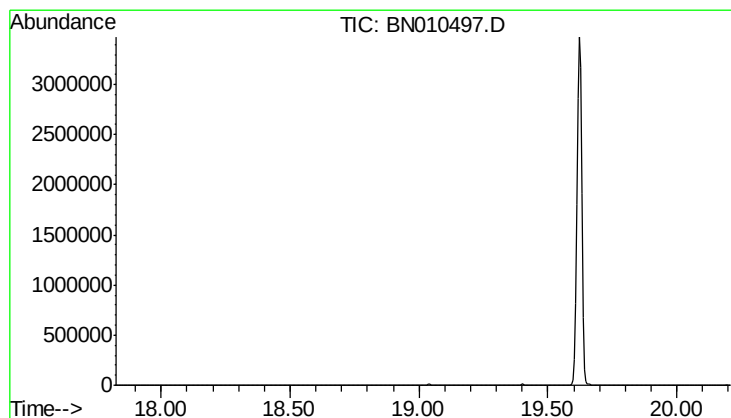
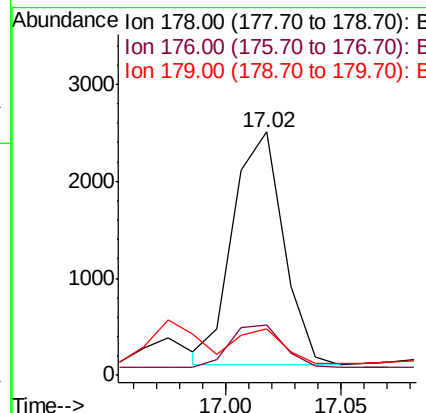
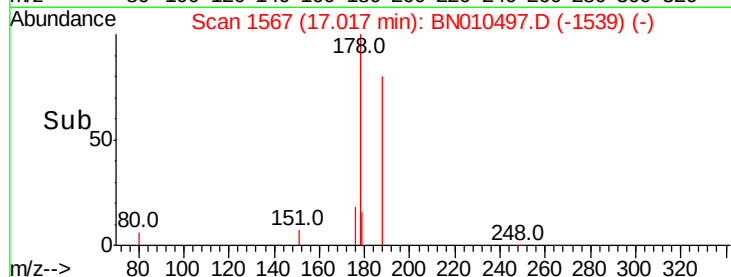
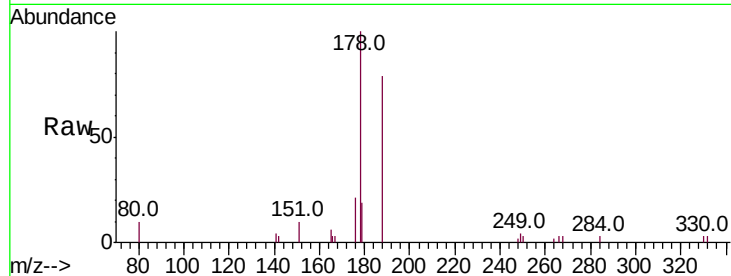
ClientSampleId :

FE-SB-32-(8.5-9)

Tot Ion:	178	Resp:	3608
Ion Ratio	Lower	Upper	
178	100		
176	21.3	15.0	22.4
179	14.6	12.6	18.8

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#25

Fluoranthene-d10

Concen: 0.000 ng

Expected RT: 19.02 min

Lab File: BN010497.D

Acq: 15 Apr 2020 02:54

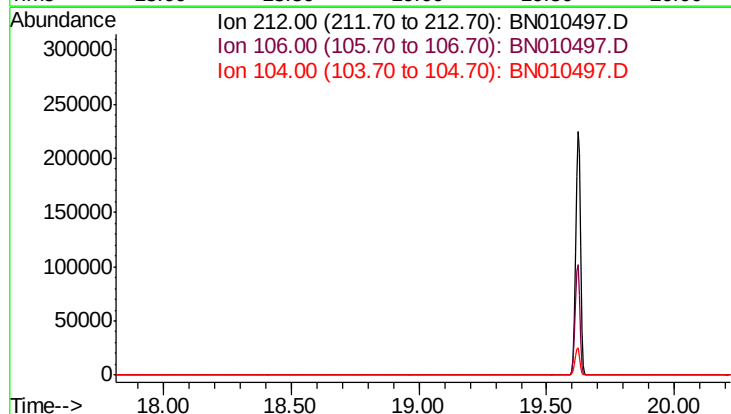
Tgt Ion: 212

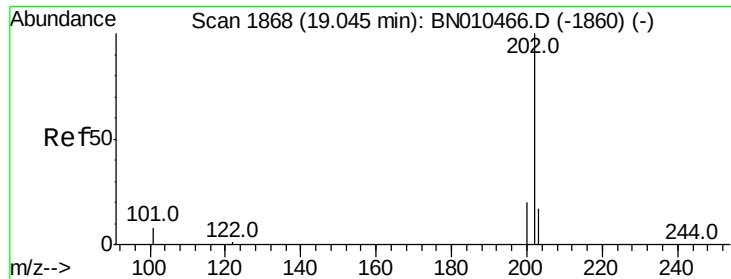
Sig Exp Ratio

212 100

106 9.7

104 5.6





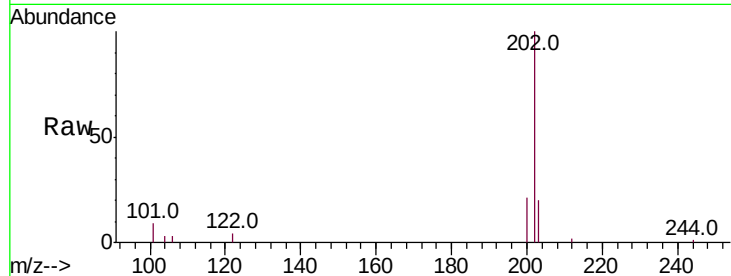
#26
 Fluoranthene
 Concen: 0.075 ng
 RT: 19.04 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: BN010497.D
 Acq: 15 Apr 2020 02:54

Instrument :
 BNA_N
 ClientSampleId :
 FE-SB-32-(8.5-9)

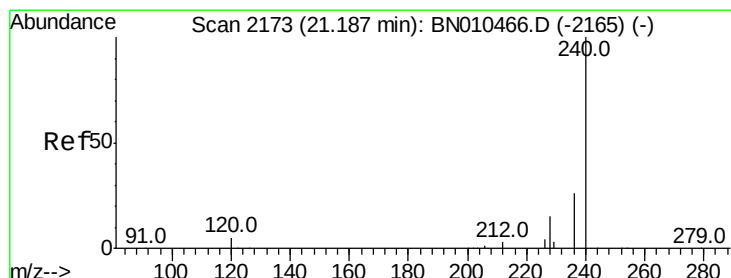
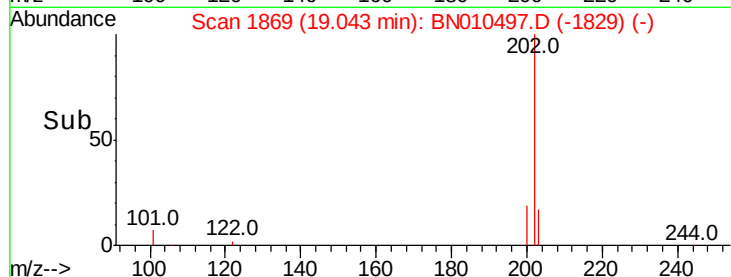
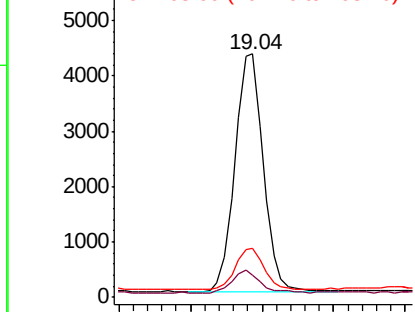
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.5	6.9	10.3
203	17.6	13.9	20.9

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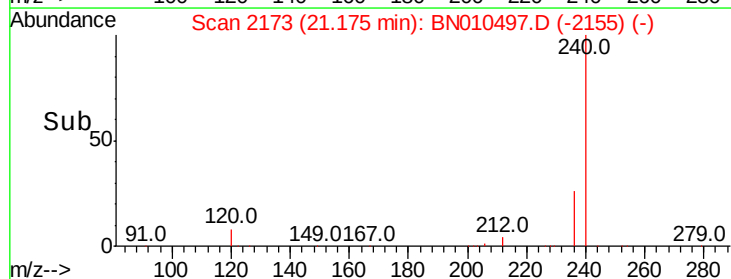
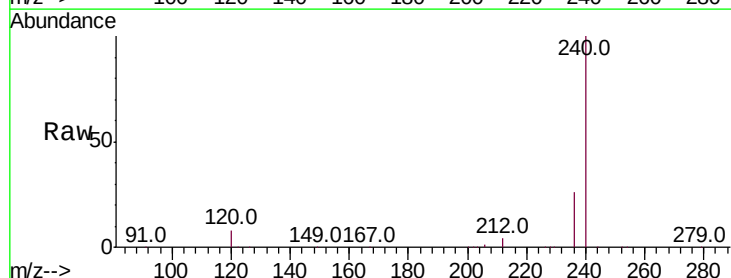
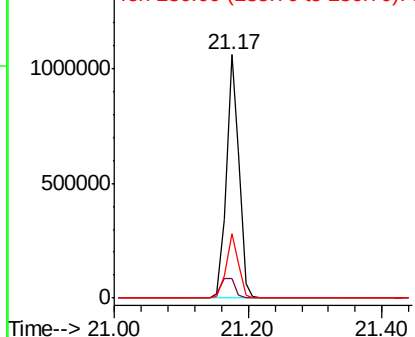
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

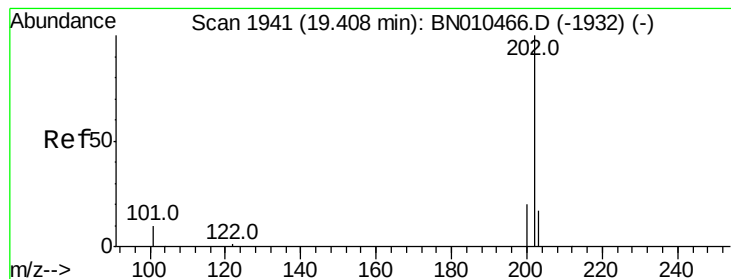


#27
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.17 min Scan# 2173
 Delta R.T. -0.01 min
 Lab File: BN010497.D
 Acq: 15 Apr 2020 02:54

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.1	4.8	7.2#
236	26.2	21.4	32.0

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





#28

Pvrene

Concen: 0.079 ng

RT: 19.41 min Scan# 1942

Delta R.T. -0.00 min

Lab File: BN010497.D

Acq: 15 Apr 2020 02:54

Instrument :

BNA_N

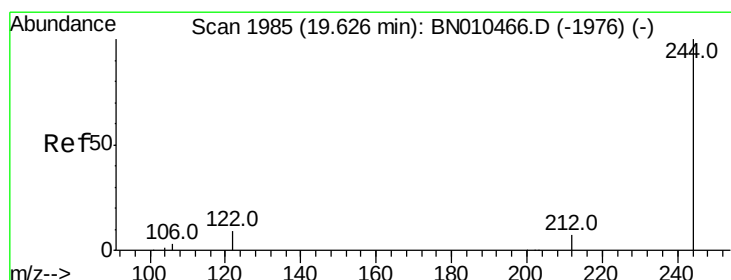
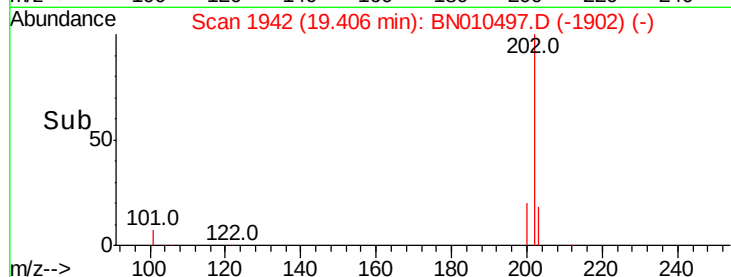
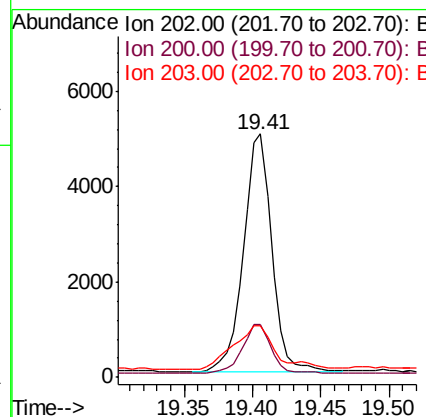
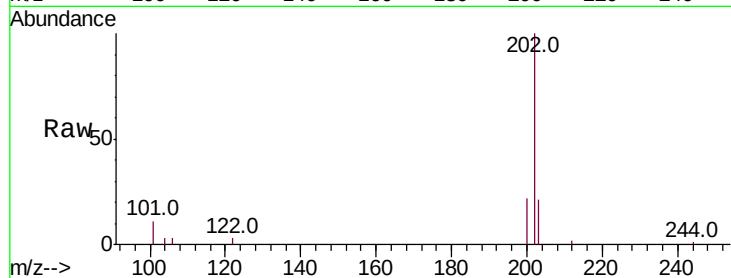
ClientSampleId :

FE-SB-32-(8.5-9)

Tot Ion:	202	Resp:	7214
Ion Ratio	Lower	Upper	
202	100		
200	20.9	16.3	24.5
203	25.1	14.0	21.0#

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#29

Terphenyl-d14

Concen: 59.175 ng

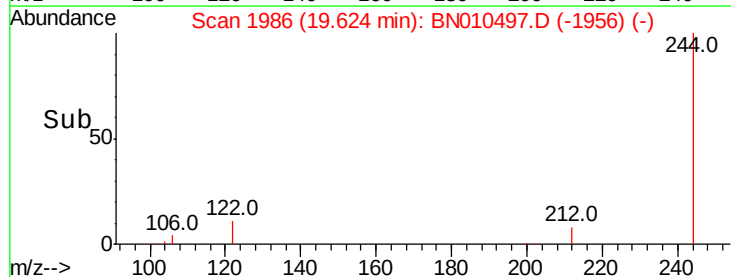
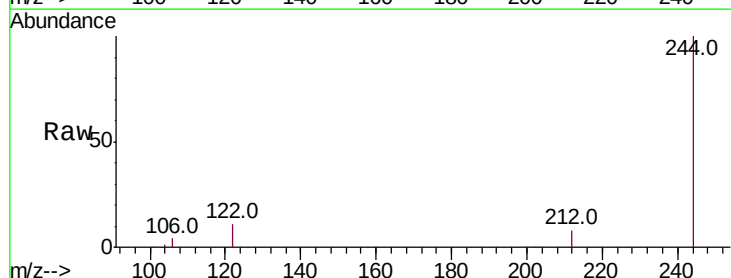
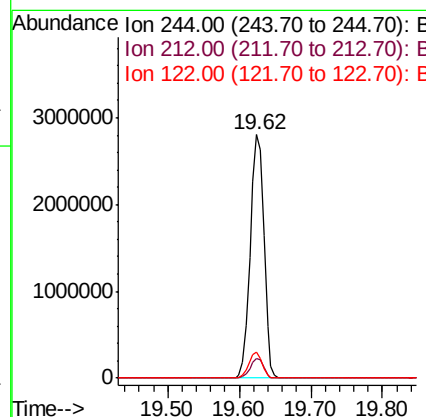
RT: 19.62 min Scan# 1986

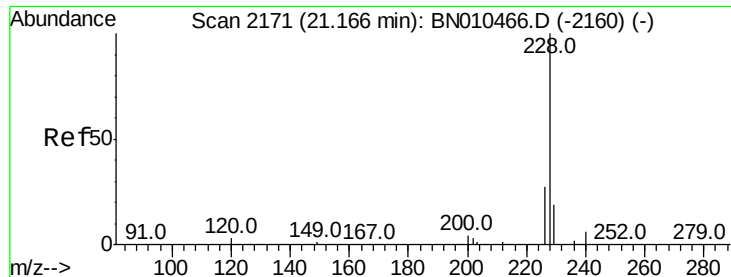
Delta R.T. -0.00 min

Lab File: BN010497.D

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Tgt Ion:	244	Resp:	3697365
Ion Ratio	Lower	Upper	
244	100		
212	8.0	6.2	9.4
122	10.5	7.8	11.8





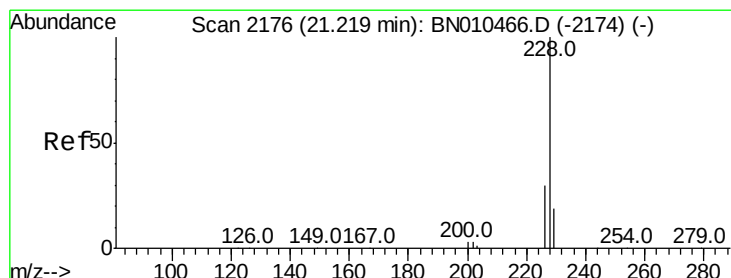
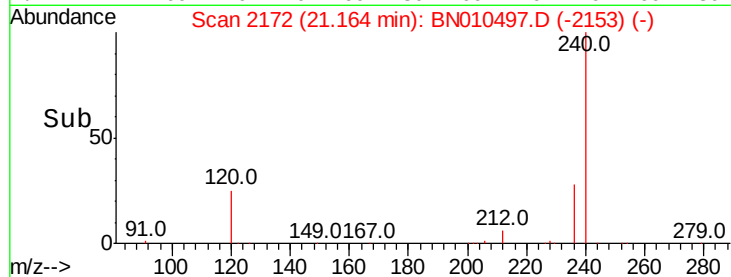
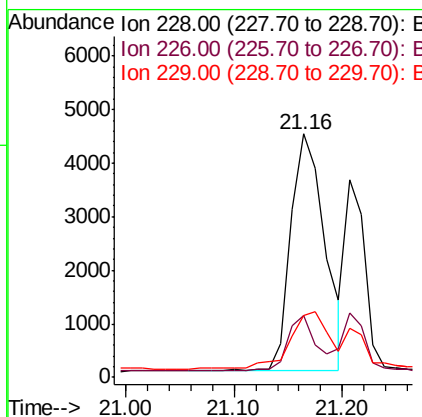
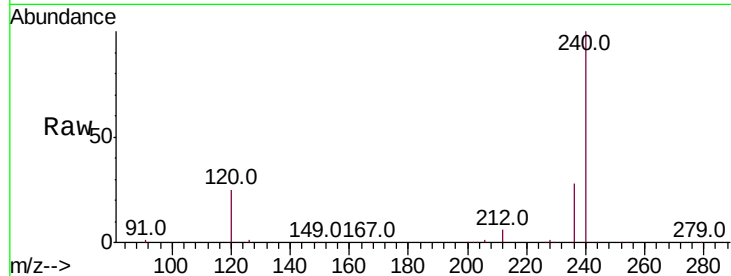
#30
Benzo(a)anthracene
Concen: 0.109 ng
RT: 21.16 min Scan# 2172
Delta R.T. -0.00 min
Lab File: BN010497.D
Acq: 15 Apr 2020 02:54

Instrument :
BNA_N
ClientSampleId :
FE-SB-32-(8.5-9)

Tot Ion	Ratio	Lower	Upper
228	100		
226	25.4	21.7	32.5
229	25.4	15.6	23.4

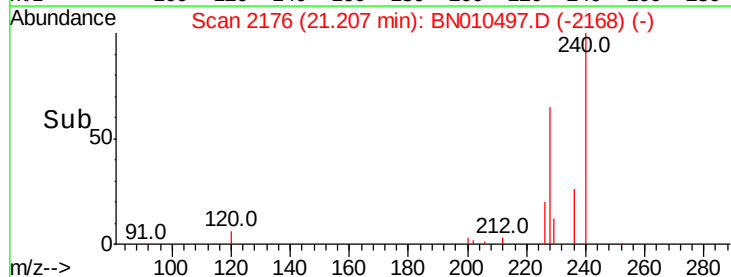
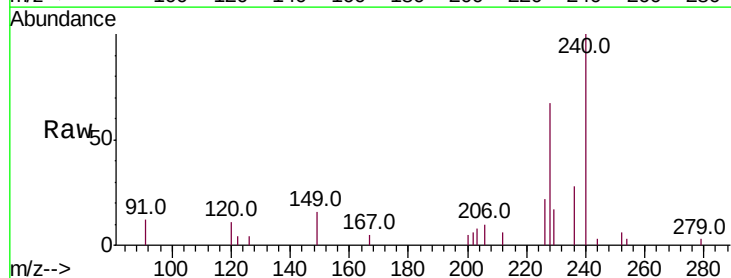
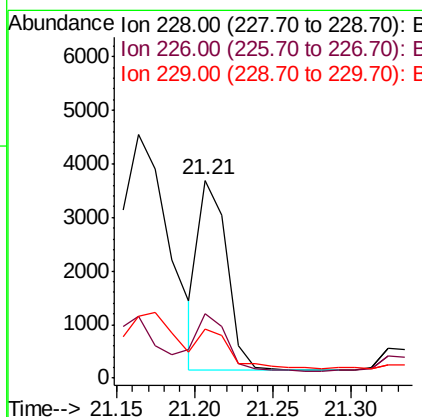
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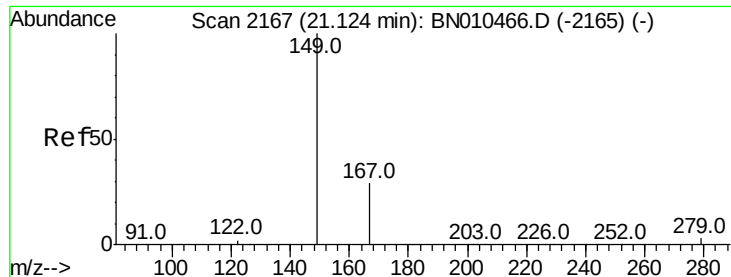
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#31
Chrysene
Concen: 0.051 ng
RT: 21.21 min Scan# 2176
Delta R.T. -0.01 min
Lab File: BN010497.D
Acq: 15 Apr 2020 02:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.6	24.0	36.0
229	24.8	15.8	23.6





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.038 ng

RT: 21.11 min Scan# 2167

Delta R.T. -0.01 min

Lab File: BN010497.D

Acq: 15 Apr 2020 02:54

Instrument :

BNA_N

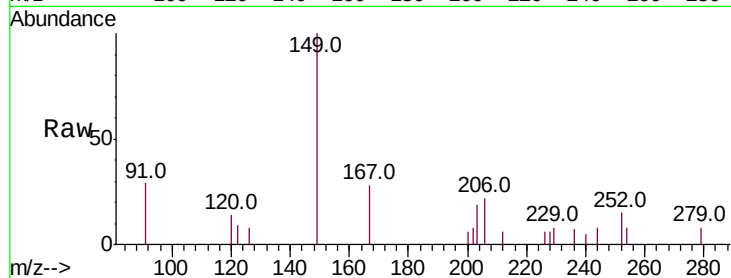
ClientSampleId :

FE-SB-32-(8.5-9)

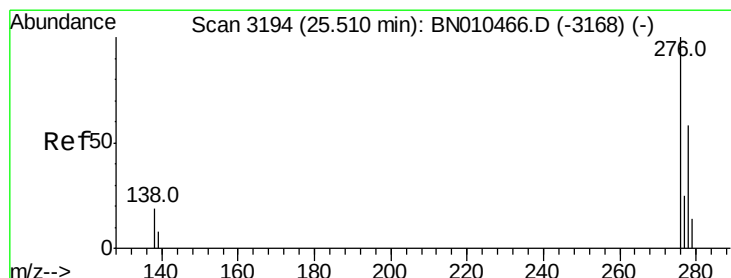
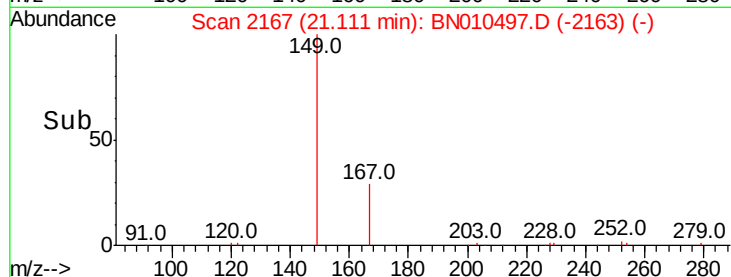
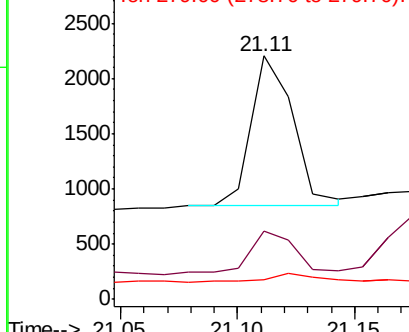
Tot Ion:	149	Resp:	1714
Ion Ratio	Lower	Upper	
149	100		
167	28.3	23.4	35.0
279	7.7	4.0	6.0

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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: 0.043 ng

RT: 25.49 min Scan# 3190

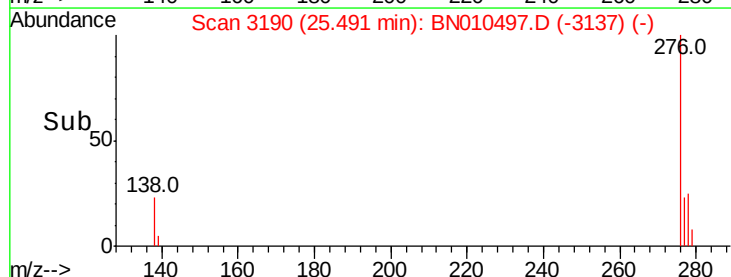
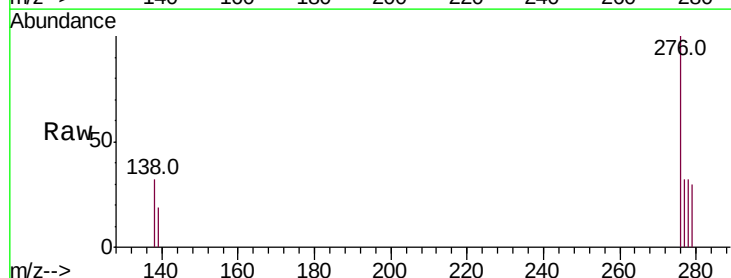
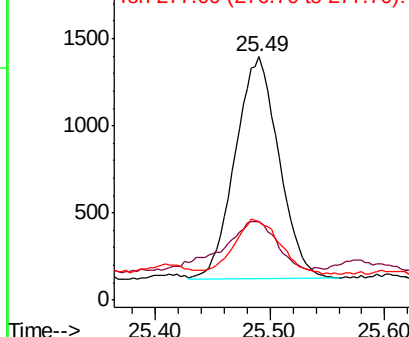
Delta R.T. -0.02 min

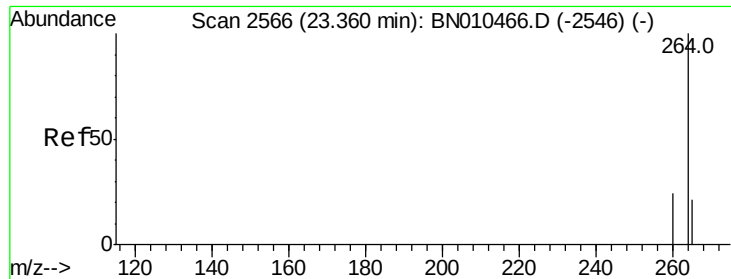
Lab File: BN010497.D

Acq: 15 Apr 2020 02:54

Tgt Ion:	276	Resp:	3367
Ion Ratio	Lower	Upper	
276	100		
138	27.8	16.4	24.6
277	26.0	19.8	29.6

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





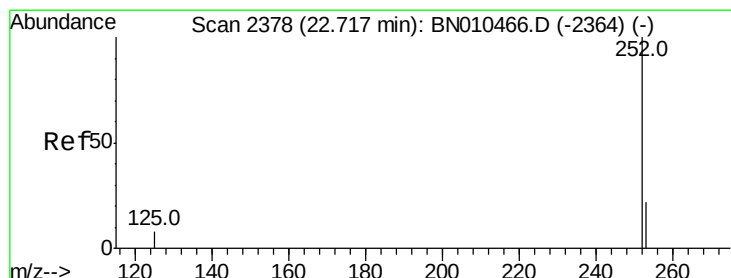
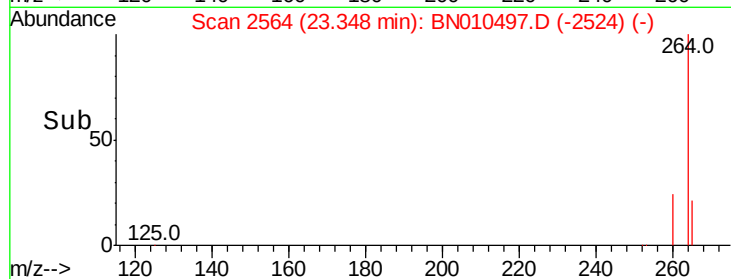
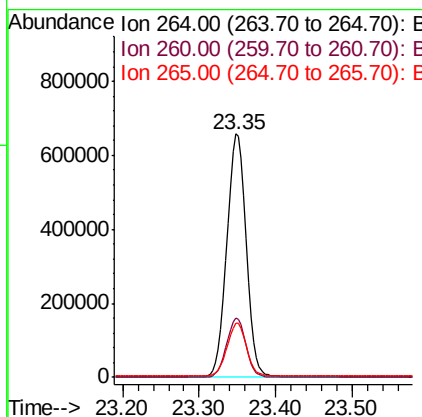
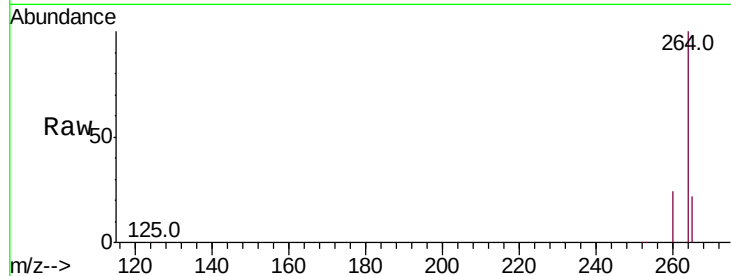
#34
Pervlene-d12
Concen: 20.000 ng
RT: 23.35 min Scan# 2564
Delta R.T. -0.01 min
Lab File: BN010497.D
Acq: 15 Apr 2020 02:54

Instrument :
BNA_N
ClientSampleId :
FE-SB-32-(8.5-9)

Tot Ion:264 Resp: 1188158
Ion Ratio Lower Upper
264 100
260 24.3 19.8 29.8
265 22.0 42.3 63.5#

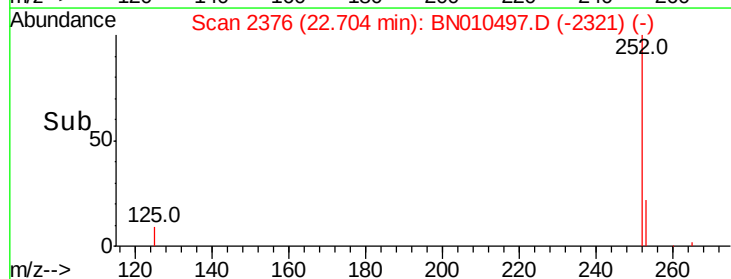
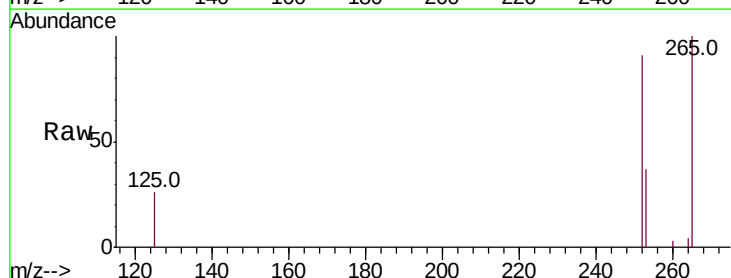
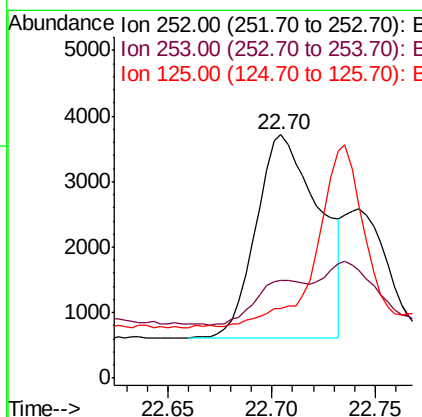
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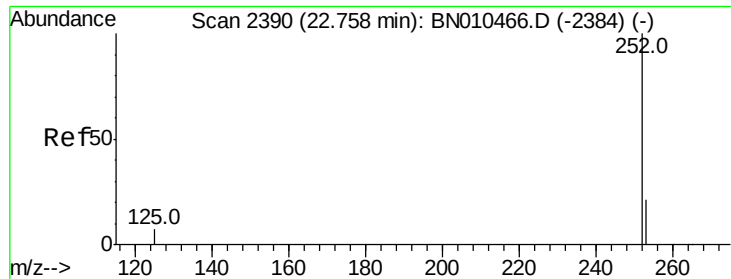
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#35
Benzo(b)fluoranthene
Concen: 0.084 ng
RT: 22.70 min Scan# 2376
Delta R.T. -0.01 min
Lab File: BN010497.D
Acq: 15 Apr 2020 02:54

Tgt Ion:252 Resp: 6608
Ion Ratio Lower Upper
252 100
253 40.2 20.2 30.4#
125 28.5 9.2 13.8#





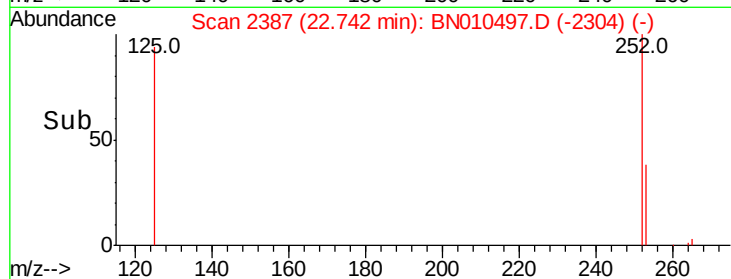
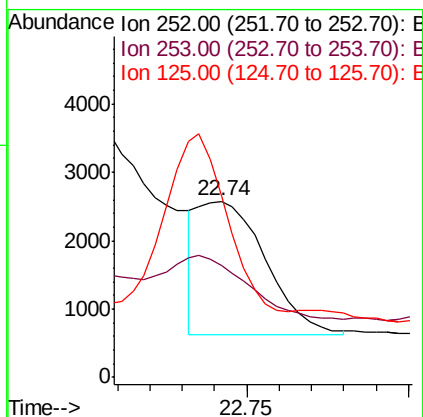
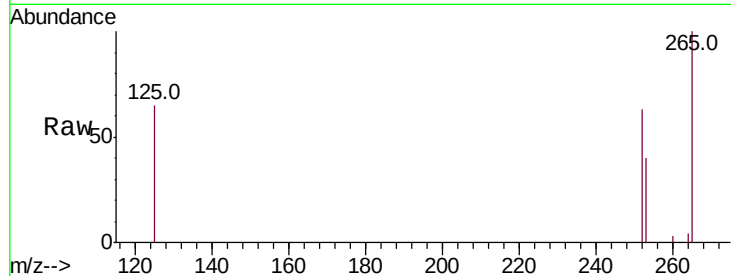
#36
Benzo(k)fluoranthene
Concen: 0.036 ng m
RT: 22.74 min Scan# 2387
Delta R.T. -0.02 min
Lab File: BN010497.D
Acq: 15 Apr 2020 02:54

Instrument :
BNA_N
ClientSampleId :
FE-SB-32-(8.5-9)

Tot Ion	Ratio	Lower	Upper
252	100		
253	63.8	20.1	30.1#
125	102.7	9.6	14.4#

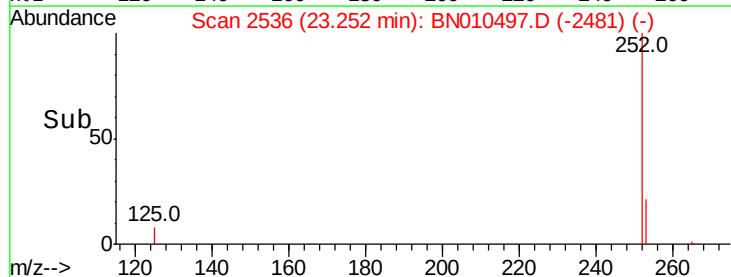
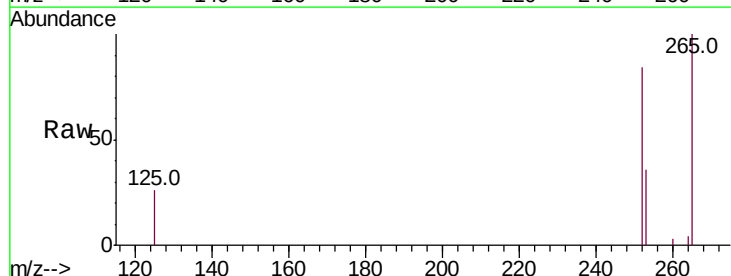
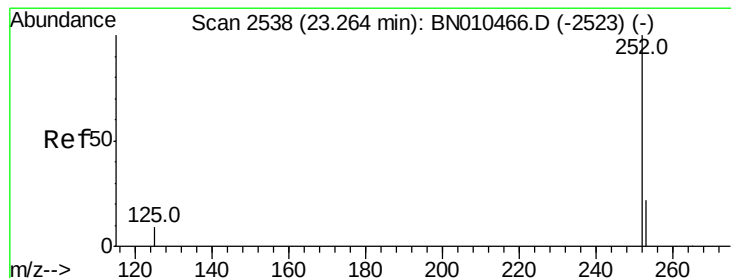
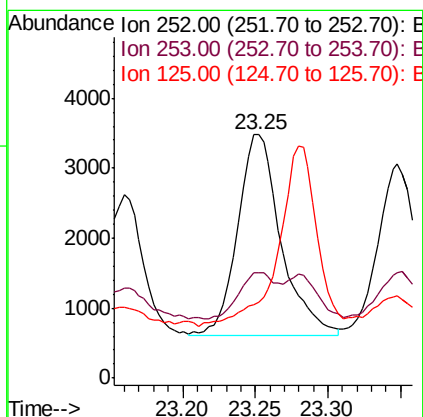
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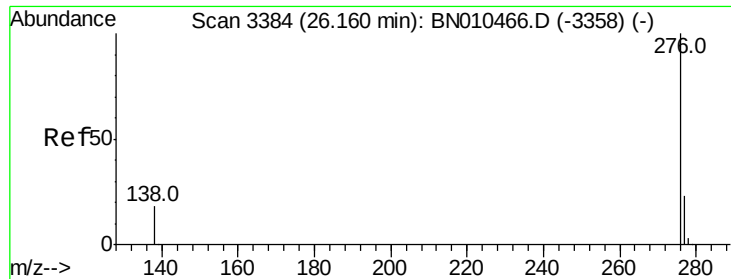
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#37
Benzo(a)pyrene
Concen: 0.085 ng
RT: 23.25 min Scan# 2536
Delta R.T. -0.01 min
Lab File: BN010497.D
Acq: 15 Apr 2020 02:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	43.2	21.8	32.8#
125	31.0	11.0	16.6#





#39

Benzo(a,h,i)perylene

Concen: 0.058 ng

RT: 26.14 min Scan# 3380

Delta R.T. -0.02 min

Lab File: BN010497.D

Acq: 15 Apr 2020 02:54

Instrument :

BNA_N

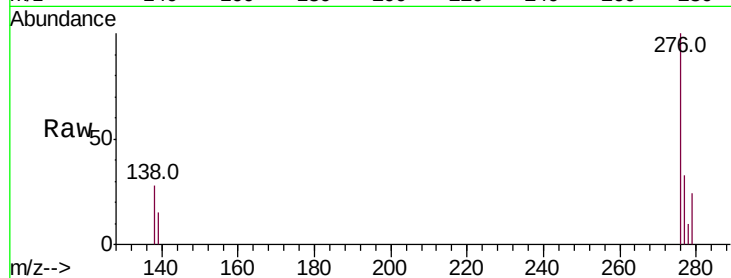
ClientSampleId :

FE-SB-32-(8.5-9)

Tot Ion:	276	Resp:	3672
Ion Ratio	Lower	Upper	
276	100		
277	33.5	20.2	30.2#
138	27.7	15.4	23.2#

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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

