

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092019\
 Data File : BN007775.D
 Acq On : 20 Sep 2019 21:43
 Operator : HP/JU
 Sample : K4918-13DL 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 SB-1DL

Manual Integrations
 APPROVED

mohammad
 9/24/2019 8:34:30 AM

Quant Time: Sep 21 04:18:07 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Sep 18 18:24:40 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	8432	0.40	ng	0.00
7) Naphthalene-d8	10.46	136	33963	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	22690	0.40	ng	-0.01
19) Phenanthrene-d10	17.06	188	48650	0.40	ng	-0.01
27) Chrysene-d12	21.26	240	54025	0.40	ng	-0.01
34) Perylene-d12	23.47	264	57902	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.31	112	2292	0.08	ng	0.00
5) Phenol-d6	6.86	99	3098	0.08	ng	0.00
8) Nitrobenzene-d5	8.83	82	2582	0.09	ng	0.00
11) 2-Methylnaphthalene-d10	12.05	152	5853	0.10	ng	0.00
14) 2,4,6-Tribromophenol	15.81	330	769	0.06	ng	-0.01
15) 2-Fluorobiphenyl	12.94	172	8825	0.09	ng	0.00
25) Fluoranthene-d10	19.09	212	17197	0.10	ng	-0.02
29) Terphenyl-d14	19.70	244	13966	0.11	ng	-0.01

Target Compounds

						Qvalue
9) Naphthalene	10.51	128	6306	0.066	ng	97
12) 2-Methylnaphthalene	12.13	142	2915	0.045	ng	97
16) Acenaphthylene	14.03	152	19282	0.160	ng	98
17) Acenaphthene	14.38	154	5654	0.073	ng	92
18) Fluorene	15.36	166	8022	0.081	ng	# 97
23) Phenanthrene	17.10	178	188042	1.241	ng	97
24) Anthracene	17.19	178	54017	0.395	ng	98
26) Fluoranthene	19.12	202	400408	2.125	ng	99
28) Pyrene	19.49	202	429854	2.333	ng	# 95
30) Benzo(a)anthracene	21.24	228	276246	1.389	ng	97
31) Chrysene	21.29	228	256890	1.325	ng	97
32) Bis(2-ethylhexyl)phthalate	21.18	149	28270	0.276	ng	# 96
33) Indeno(1,2,3-cd)pyrene	25.67	276	138708	0.571	ng	97
35) Benzo(b)fluoranthene	22.81	252	312122	1.553	ng	99
36) Benzo(k)fluoranthene	22.85	252	106001m	0.533	ng	
37) Benzo(a)pyrene	23.37	252	223790	1.185	ng	99
38) Dibenzo(a,h)anthracene	25.68	278	38282	0.198	ng	92
39) Benzo(a,h,i)perylene	26.34	276	137711	0.720	ng	99

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

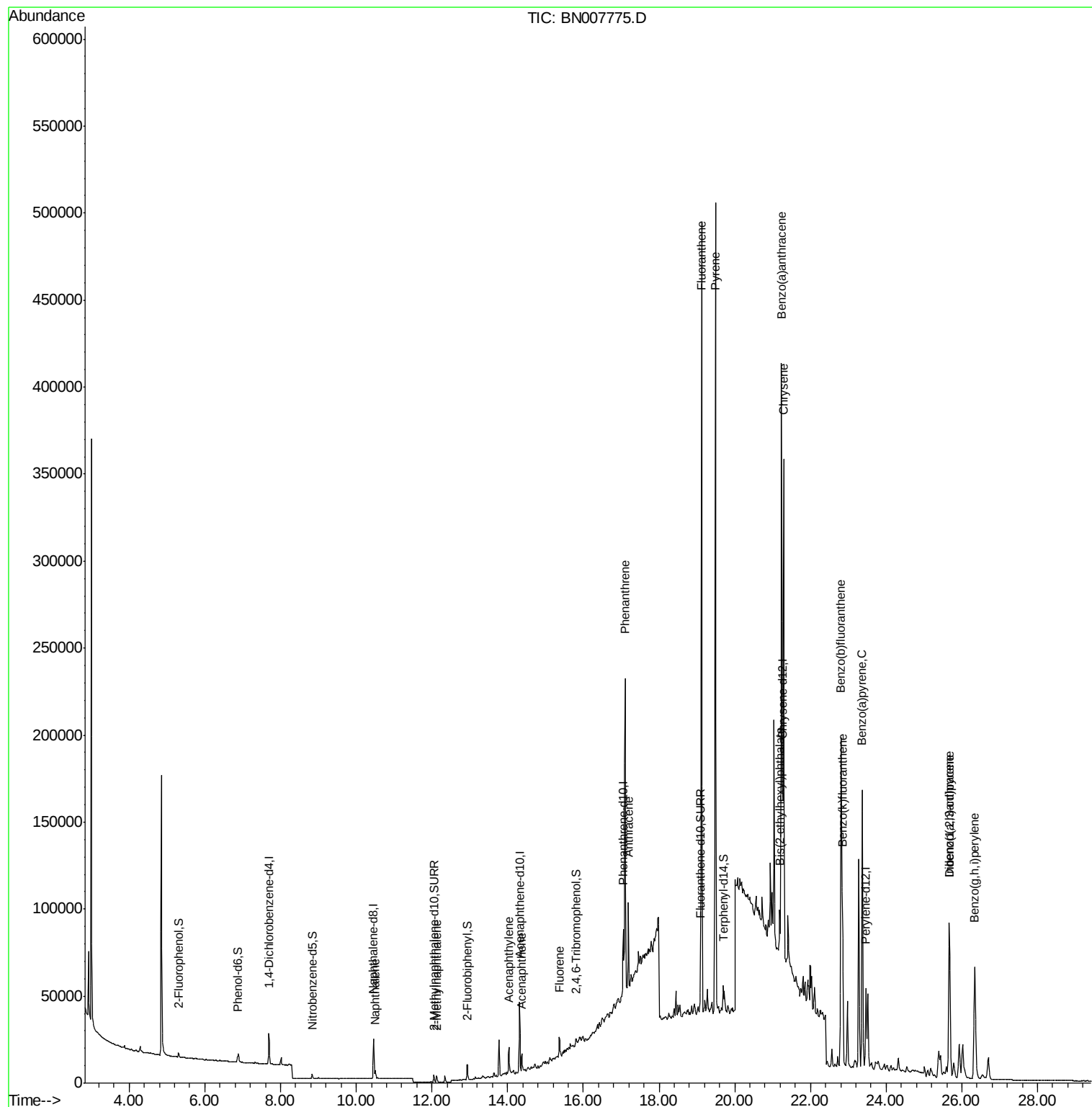
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN092019\
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ALS Vial : 17 Sample Multiplier: 1

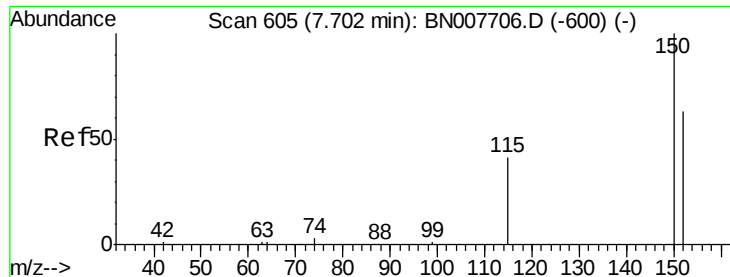
Instrument :
BNA_N
ClientSampleId :
SB-1DL

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9/24/2019 8:34:30 AM

Quant Time: Sep 21 04:18:07 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 18 18:24:40 2019
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#1

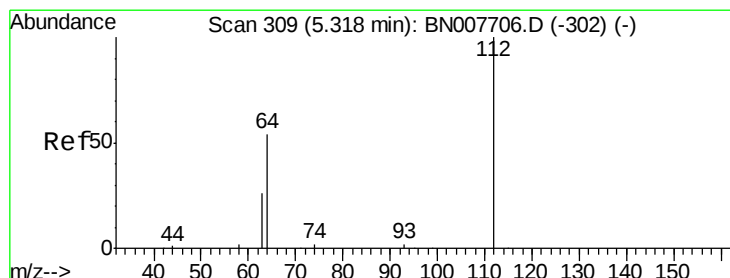
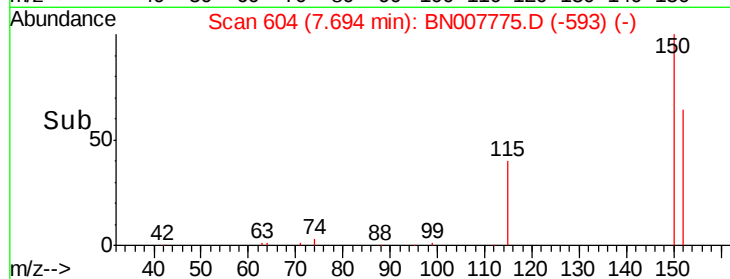
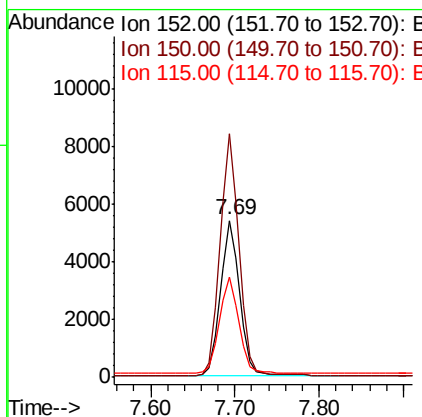
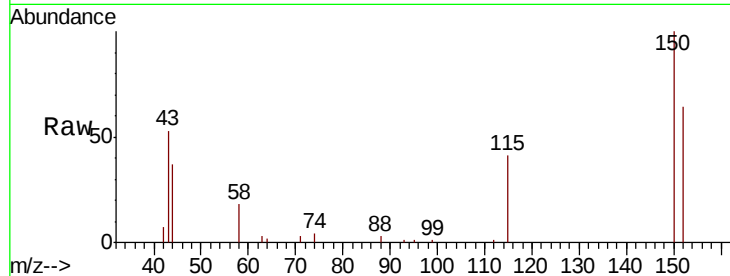
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 604
Delta R.T. -0.01 min
Lab File: BN007775.D
Acq: 20 Sep 2019 21:43

Instrument :
BNA_N
ClientSampled :
SB-1DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	125.6	188.4
115	64.0	53.3	79.9

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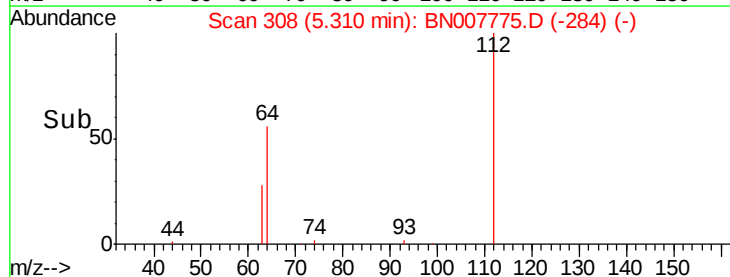
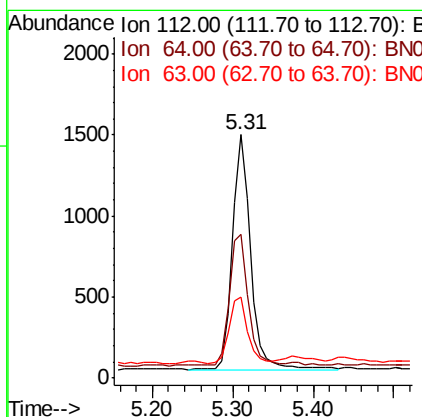
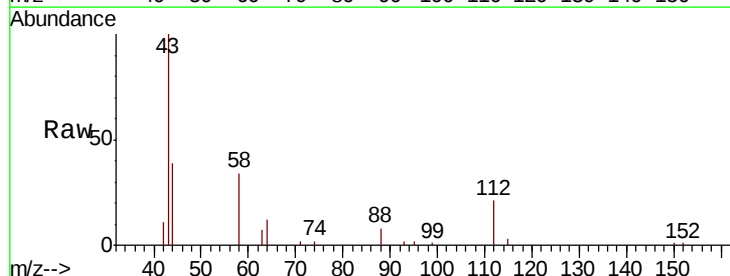
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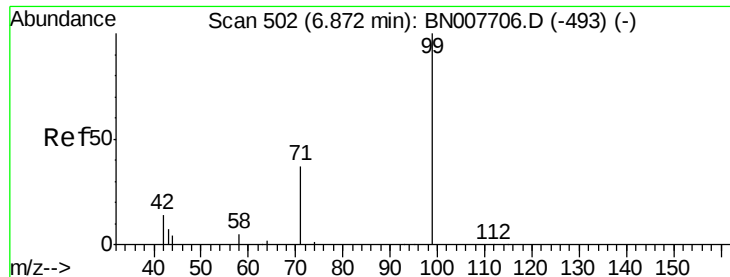


#4

2-Fluorophenol
Concen: 0.079 ng
RT: 5.31 min Scan# 308
Delta R.T. -0.01 min
Lab File: BN007775.D
Acq: 20 Sep 2019 21:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	46.6	70.0
63	28.4	23.1	34.7





#5

Phenol-d6

Concen: 0.081 ng

RT: 6.86 min Scan# 501

Delta R.T. -0.01 min

Lab File: BN007775.D

Acq: 20 Sep 2019 21:43

Instrument :

BNA_N

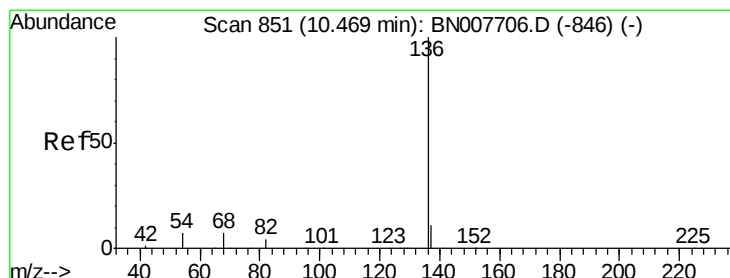
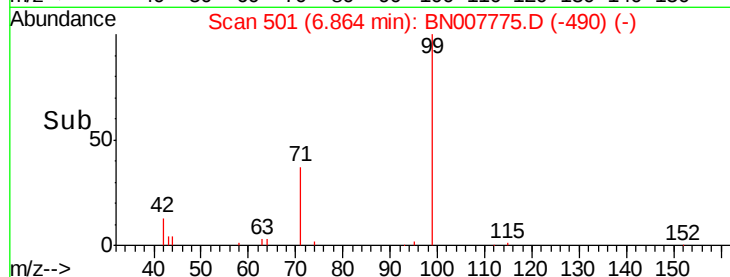
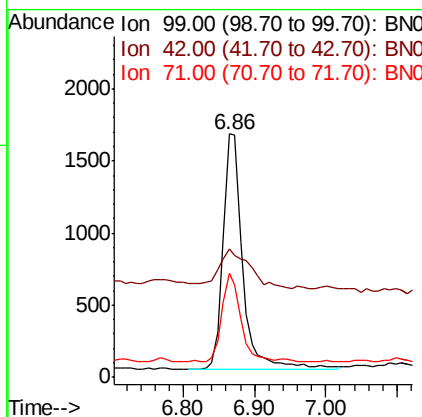
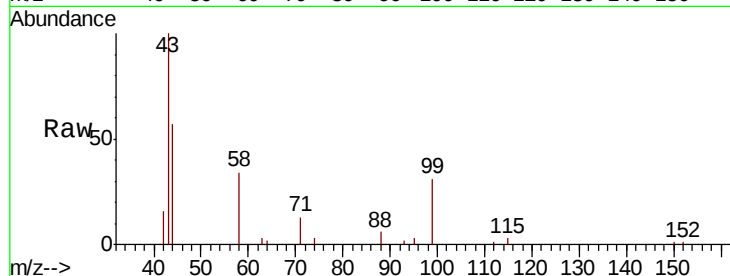
ClientSampled :

SB-1DL

Tot Ion:	99	Resp:	3098
Ion Ratio	Lower	Upper	
99	100		
42	25.5	12.8	19.2#
71	36.7	27.6	41.4

Manual Integrations
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#7

Naphthalene-d8

Concen: 0.400 ng

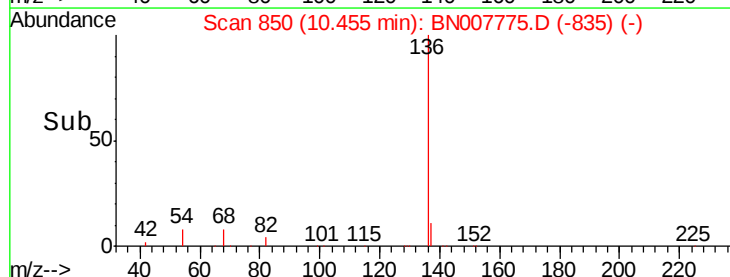
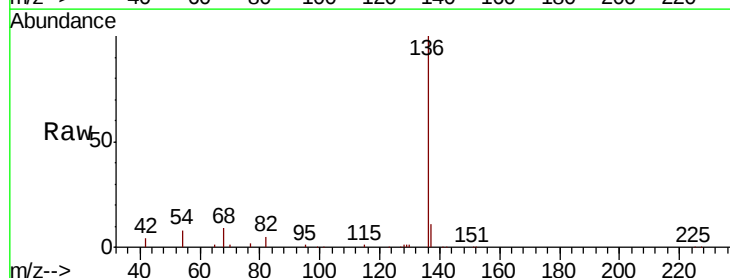
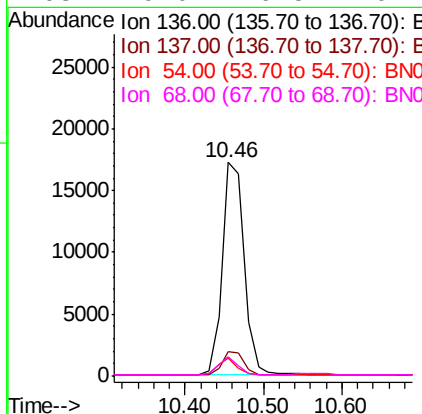
RT: 10.46 min Scan# 850

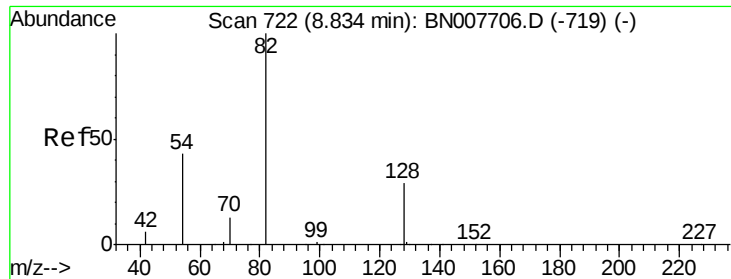
Delta R.T. -0.01 min

Lab File: BN007775.D

Acq: 20 Sep 2019 21:43

Tgt Ion:	136	Resp:	33963
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.2	13.8
54	8.4	5.8	8.8
68	9.0	6.5	9.7





#8

Nitrobenzene-d5

Concen: 0.087 ng

RT: 8.83 min Scan# 722

Delta R.T. -0.00 min

Lab File: BN007775.D

Acq: 20 Sep 2019 21:43

Instrument :

BNA_N

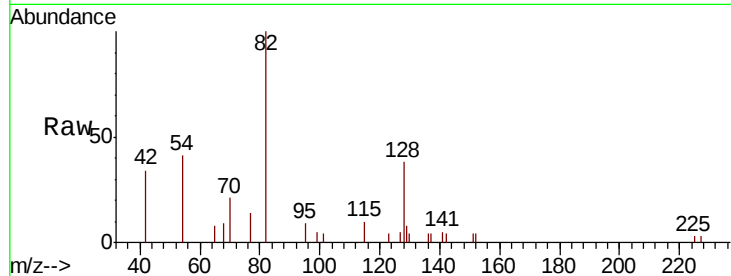
ClientSampleId :

SB-1DL

Tot Ion:	82	Resp:	2582
Ion Ratio	Lower	Upper	
82	100		
128	37.6	24.5	36.7#
54	40.6	35.2	52.8

Manual Integrations
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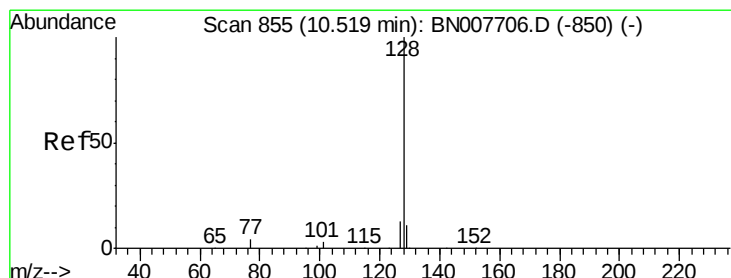
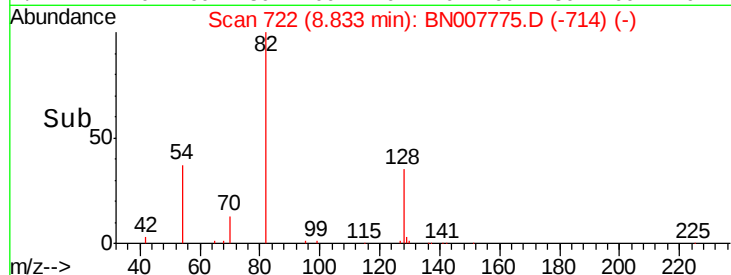
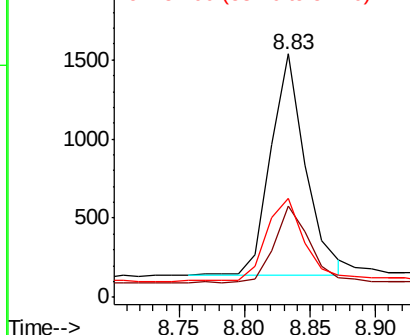


Abundance

Ion 82.00 (81.70 to 82.70): BN0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BN0



#9

Naphthalene

Concen: 0.066 ng

RT: 10.51 min Scan# 854

Delta R.T. -0.01 min

Lab File: BN007775.D

Acq: 20 Sep 2019 21:43

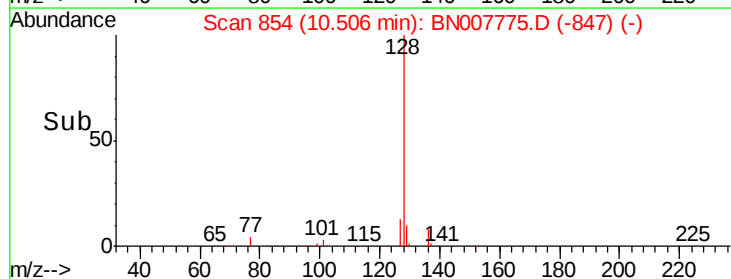
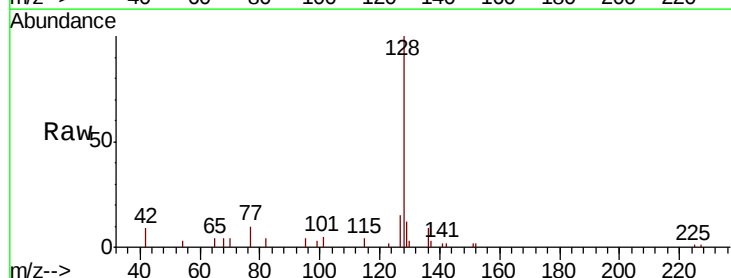
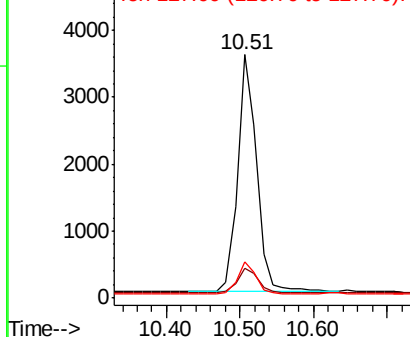
Tgt Ion:	128	Resp:	6306
Ion Ratio	Lower	Upper	
128	100		
129	12.4	9.1	13.7
127	14.8	10.6	15.8

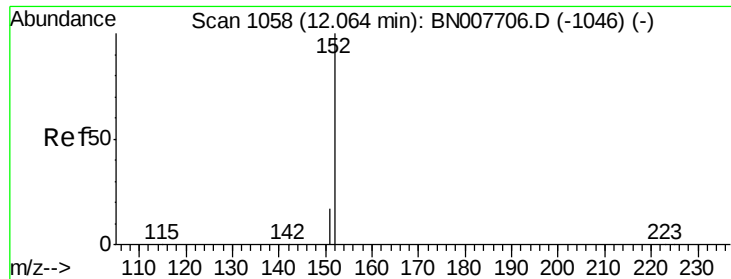
Abundance

Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





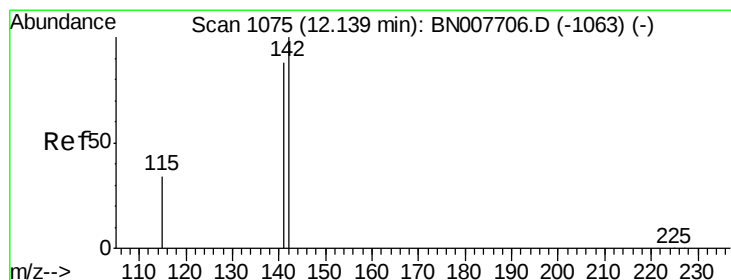
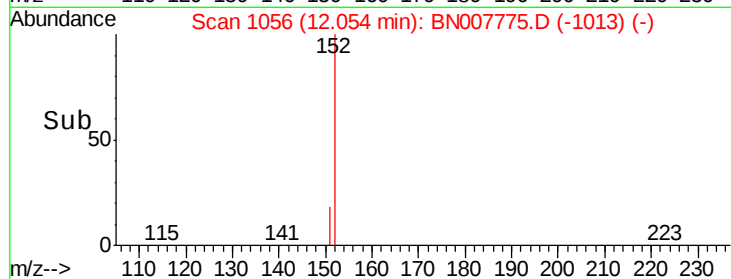
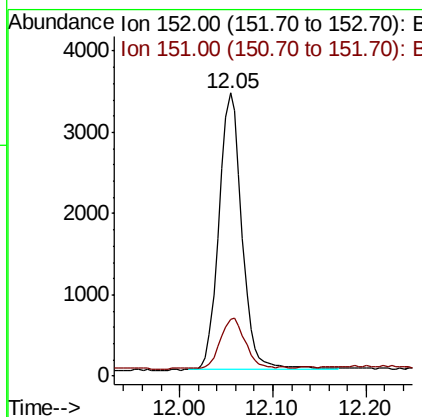
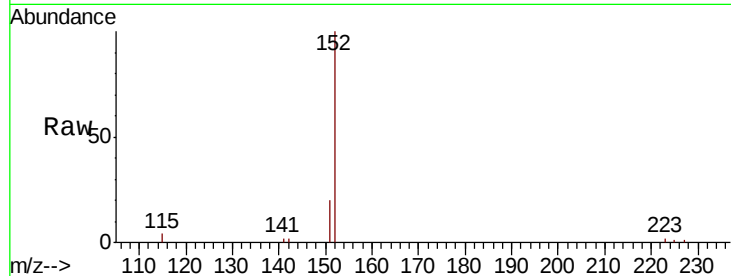
#11
 2-Methylnaphthalene-d10
 Concen: 0.102 ng
 RT: 12.05 min Scan# 1056
 Delta R.T. -0.01 min
 Lab File: BN007775.D
 Acq: 20 Sep 2019 21:43

Instrument :
 BNA_N
 ClientSampleId :
 SB-1DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.4	23.2

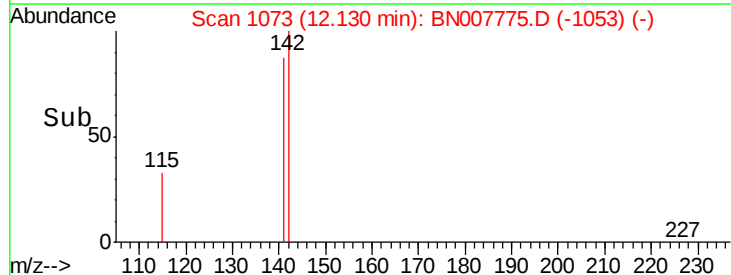
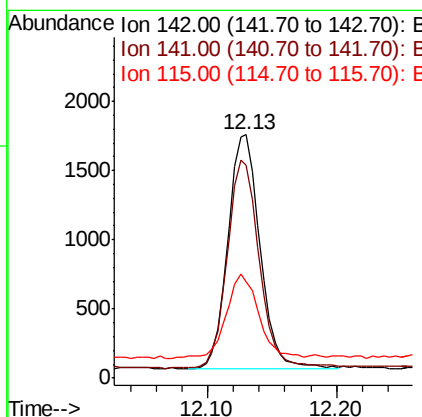
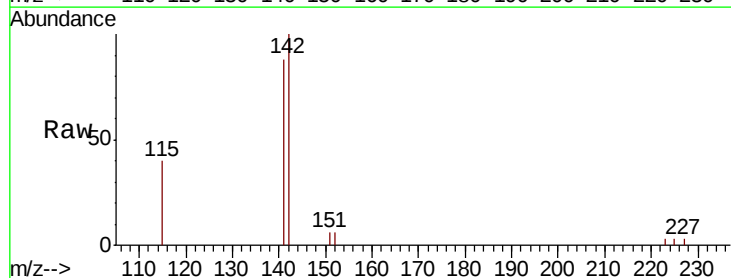
Manual Integrations
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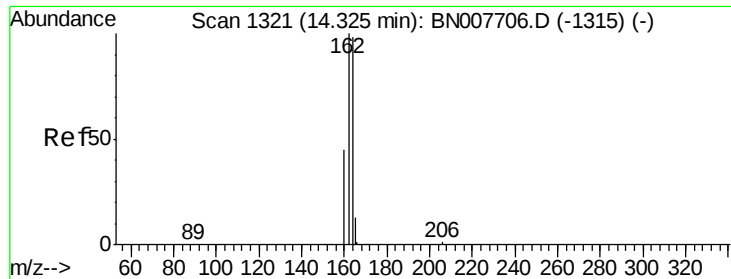
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#12
 2-Methylnaphthalene
 Concen: 0.045 ng
 RT: 12.13 min Scan# 1073
 Delta R.T. -0.01 min
 Lab File: BN007775.D
 Acq: 20 Sep 2019 21:43

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.6	106.0
115	39.8	28.3	42.5





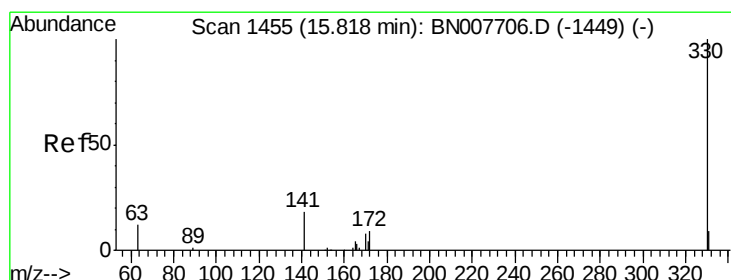
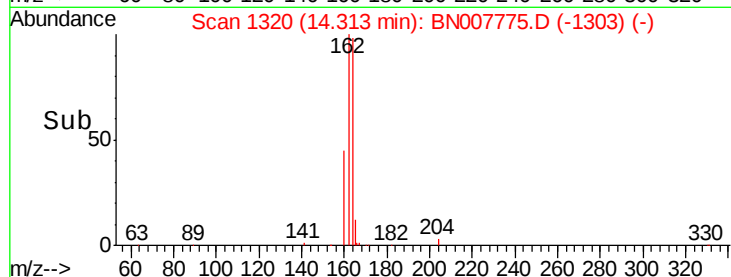
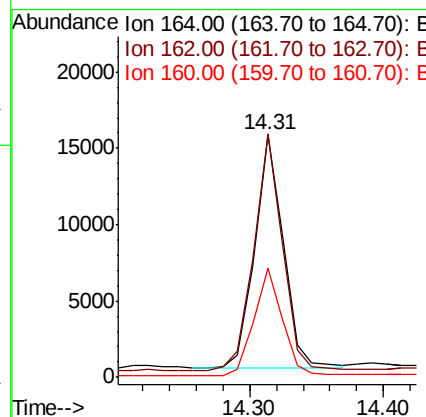
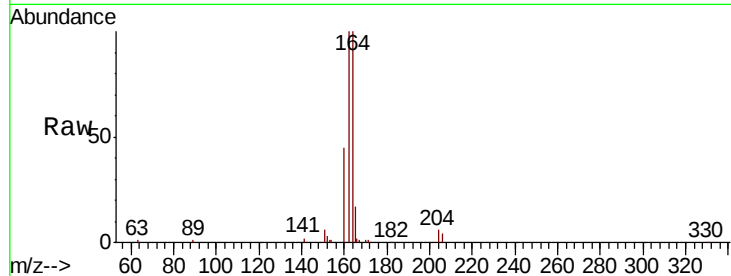
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 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.31 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BN007775.D
 Acq: 20 Sep 2019 21:43

Instrument :
 BNA_N
 ClientSampleId :
 SB-1DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.3	81.7	122.5
160	44.8	37.0	55.4

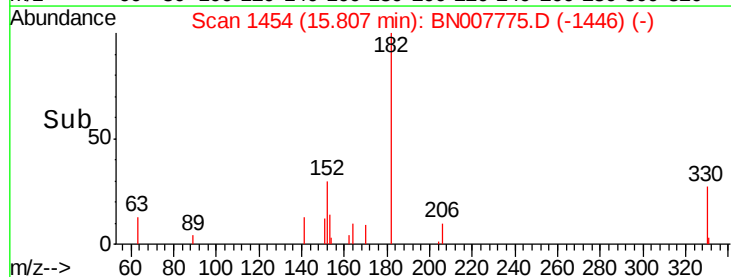
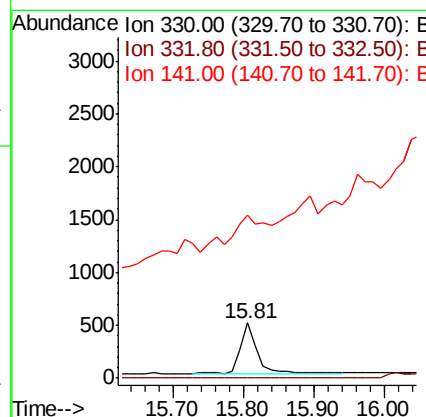
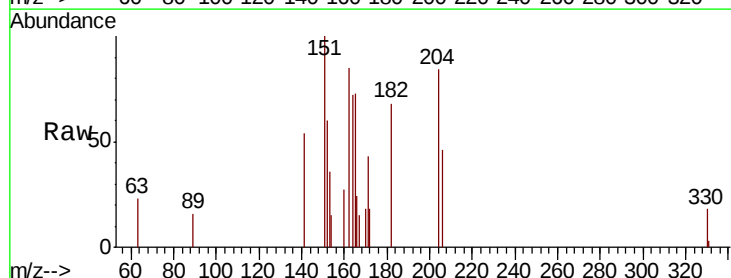
Manual Integrations
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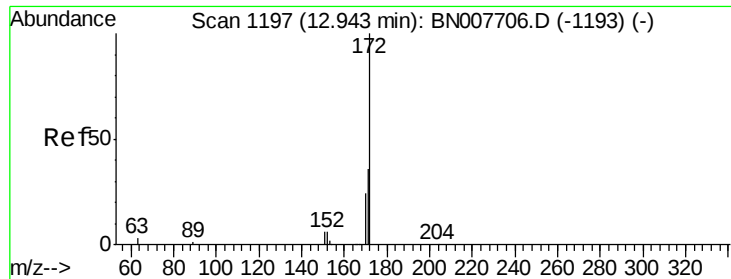
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#14
 2,4,6-Tribromophenol
 Concen: 0.062 ng
 RT: 15.81 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BN007775.D
 Acq: 20 Sep 2019 21:43

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	158.4	28.7	43.1#





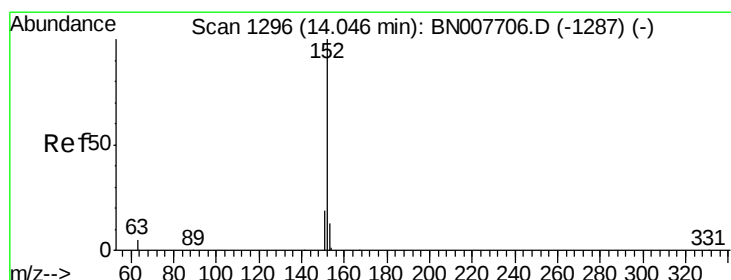
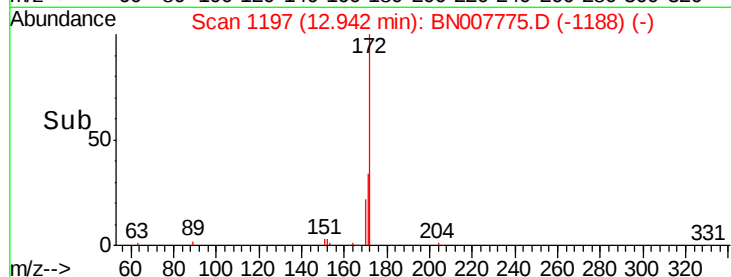
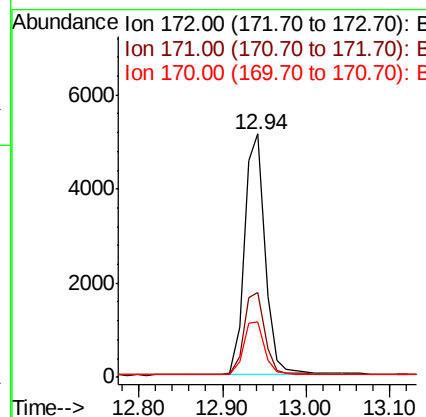
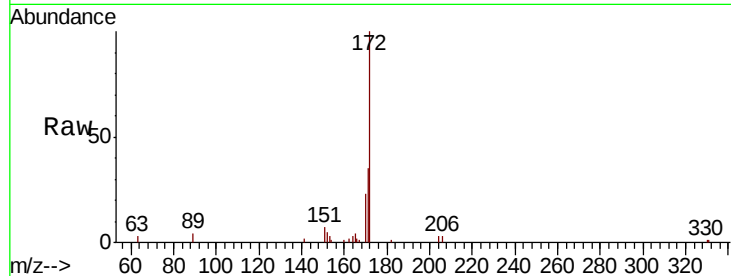
#15
2-Fluorobiphenyl
Concen: 0.094 ng
RT: 12.94 min Scan# 1197
Delta R.T. -0.00 min
Lab File: BN007775.D
Acq: 20 Sep 2019 21:43

Instrument :
BNA_N
ClientSampleId :
SB-1DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.8	43.2
170	22.8	19.5	29.3

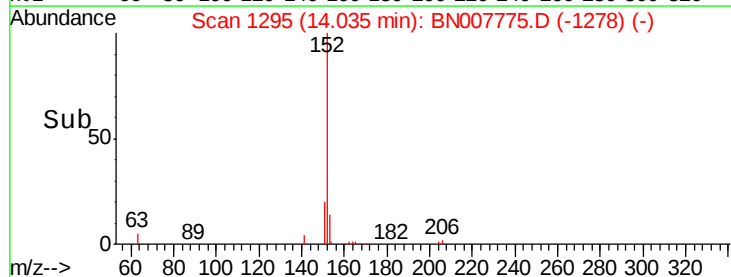
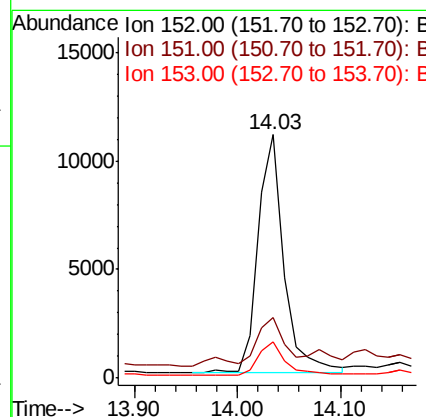
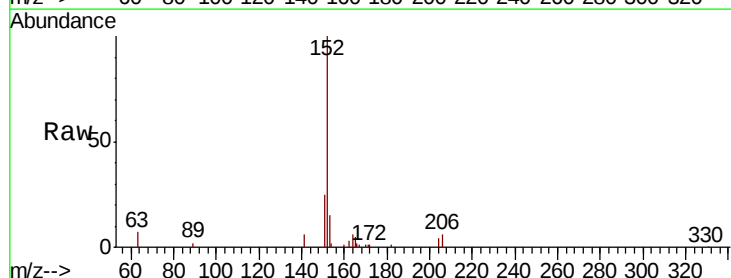
Manual Integrations
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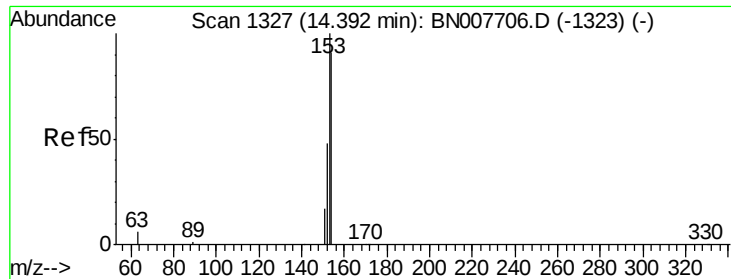
mohammad
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#16
Acenaphthylene
Concen: 0.160 ng
RT: 14.03 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BN007775.D
Acq: 20 Sep 2019 21:43

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.5	23.3
153	14.6	10.4	15.6





#17

Acenaphthene

Concen: 0.073 ng

RT: 14.38 min Scan# 1326

Delta R.T. -0.01 min

Lab File: BN007775.D

Acq: 20 Sep 2019 21:43

Instrument :

BNA_N

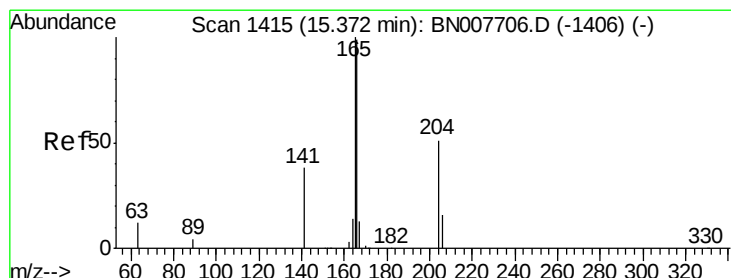
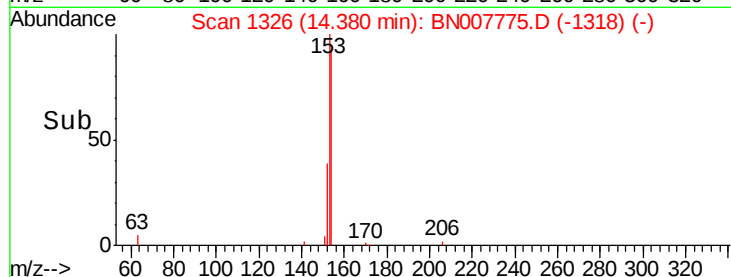
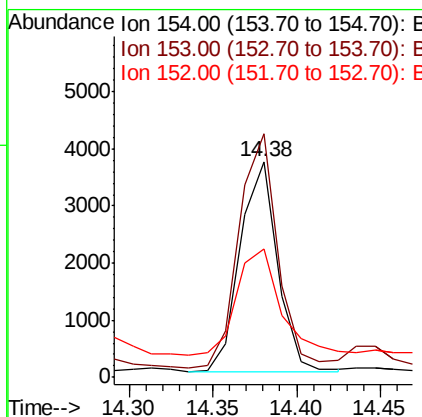
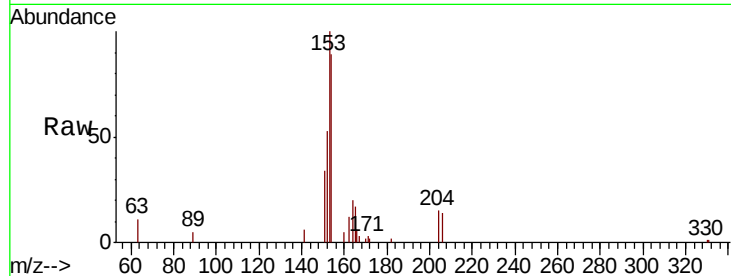
ClientSampleID :

SB-1DL

Tot Ion:	154	Resp:	5654
Ion	Ratio	Lower	Upper
154	100		
153	114.9	87.0	130.4
152	61.8	42.7	64.1

Manual Integrations
APPROVED

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#18

Fluorene

Concen: 0.081 ng

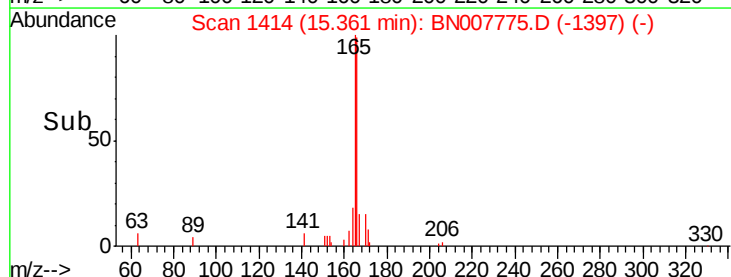
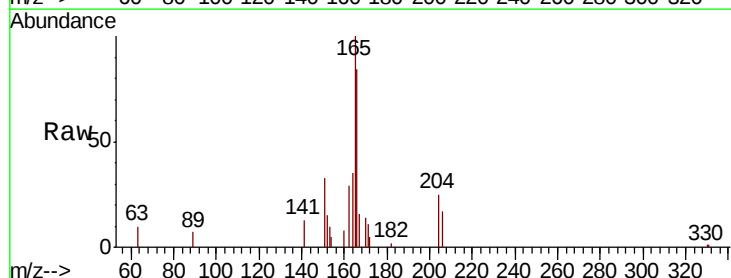
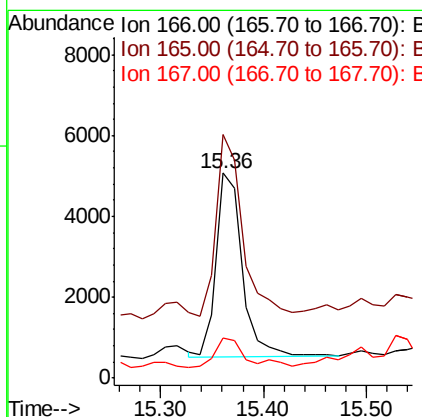
RT: 15.36 min Scan# 1414

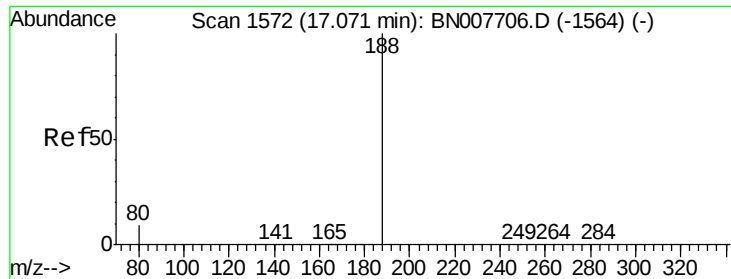
Delta R.T. -0.01 min

Lab File: BN007775.D

Acq: 20 Sep 2019 21:43

Tgt Ion:	166	Resp:	8022
Ion	Ratio	Lower	Upper
166	100		
165	99.2	78.0	117.0
167	19.8	10.9	16.3#





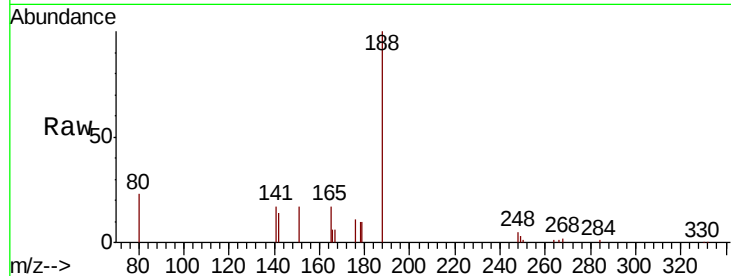
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.06 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BN007775.D
Acq: 20 Sep 2019 21:43

Instrument :
BNA_N
ClientSampleID :
SB-1DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	48650		
94	0.0	0.0	0.0	0.0
80	22.8	7.4	11.2	

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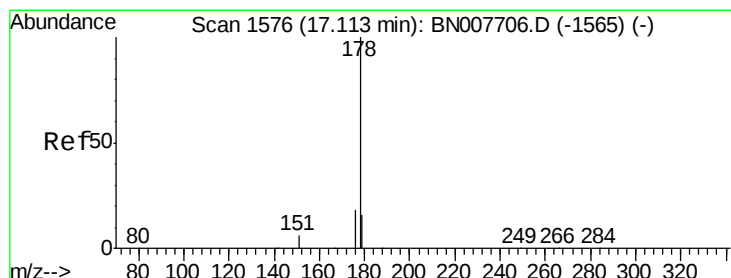
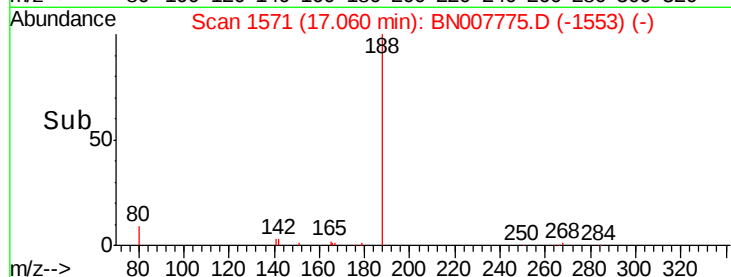
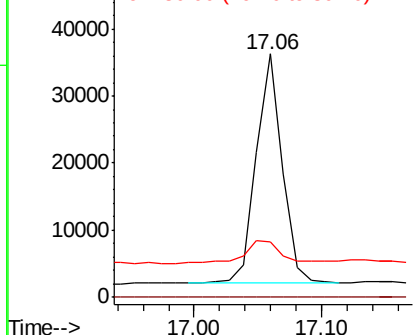


Abundance

Ion 188.00 (187.70 to 188.70): E

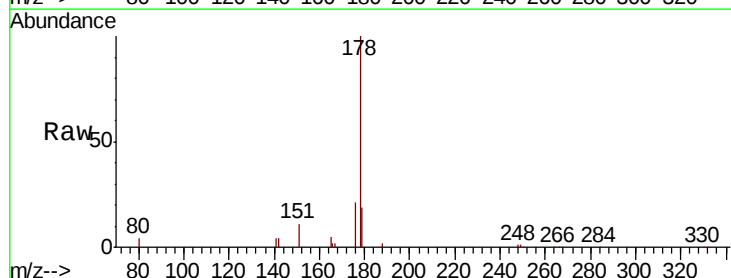
Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#23
Phenanthrene
Concen: 1.241 ng
RT: 17.10 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BN007775.D
Acq: 20 Sep 2019 21:43

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	188042		
176	19.5	14.9	22.3	
179	17.8	12.5	18.7	

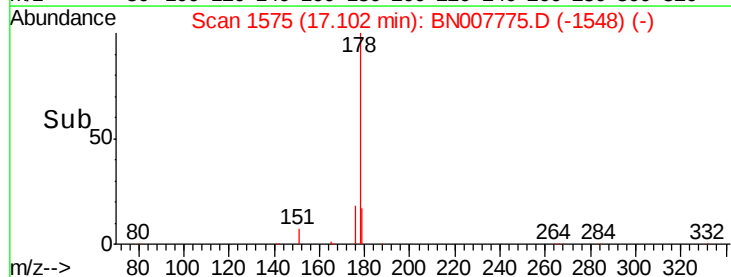
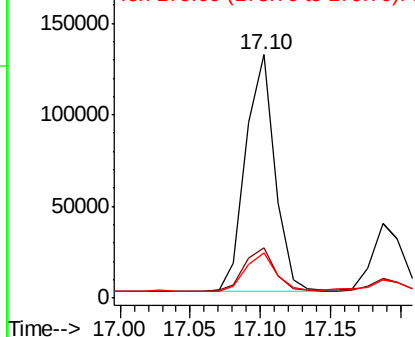


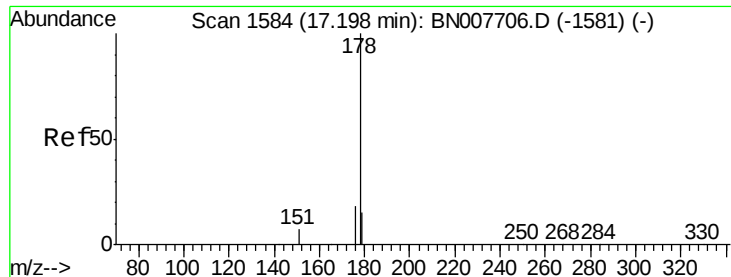
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





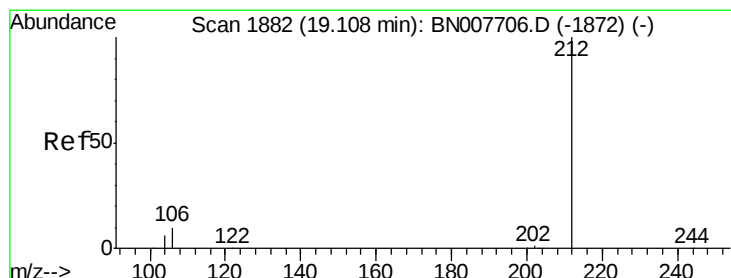
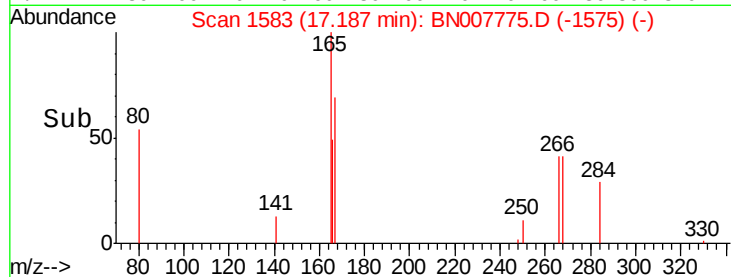
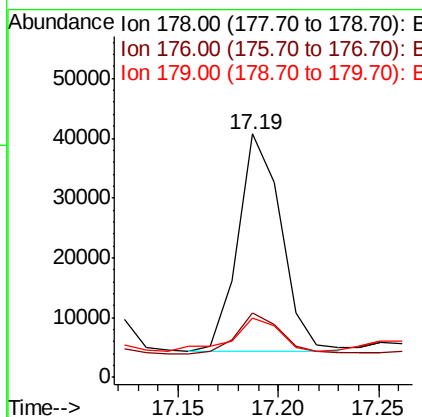
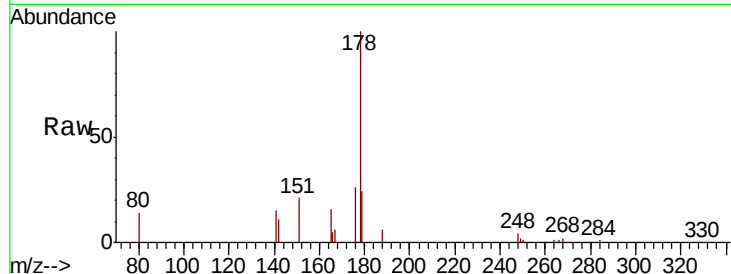
#24
 Anthracene
 Concen: 0.395 ng
 RT: 17.19 min Scan# 1583
 Delta R.T. -0.01 min
 Lab File: BN007775.D
 Acq: 20 Sep 2019 21:43

Instrument :
 BNA_N
 ClientSampled :
 SB-1DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.6	21.8
179	16.3	12.2	18.4

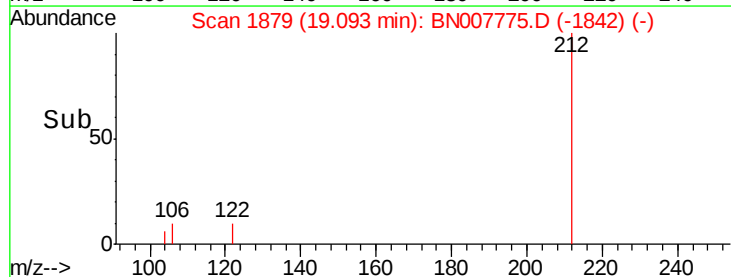
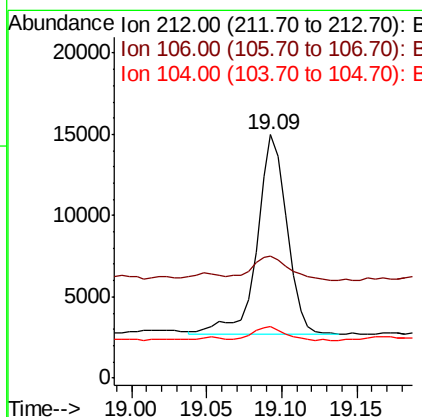
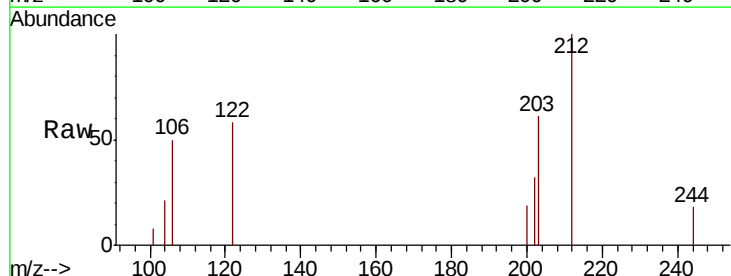
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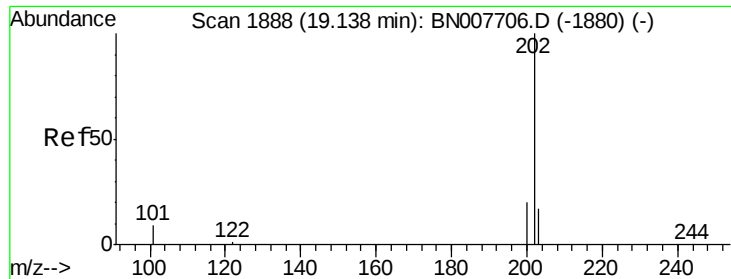
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#25
 Fluoranthene-d10
 Concen: 0.105 ng
 RT: 19.09 min Scan# 1879
 Delta R.T. -0.02 min
 Lab File: BN007775.D
 Acq: 20 Sep 2019 21:43

Tgt Ion	Ratio	Lower	Upper
212	100		
106	16.0	9.4	14.0#
104	6.8	5.3	7.9





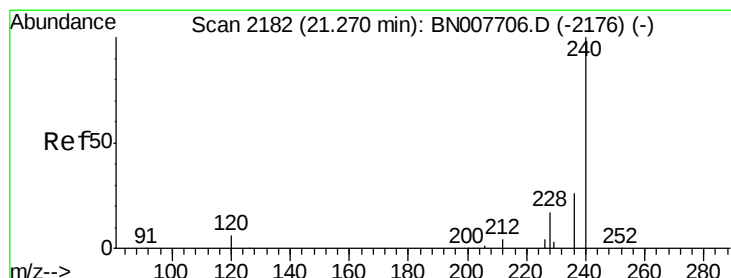
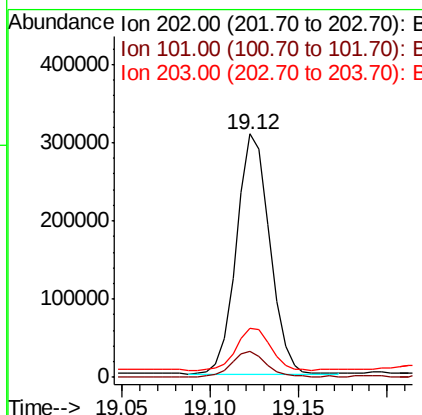
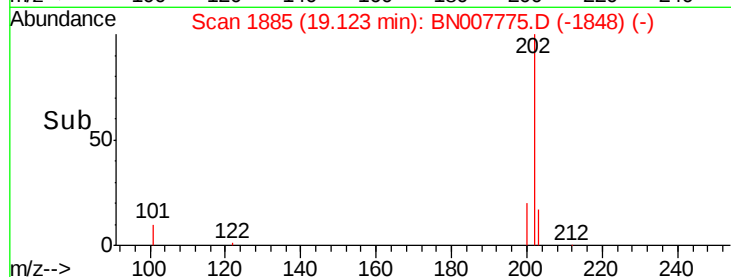
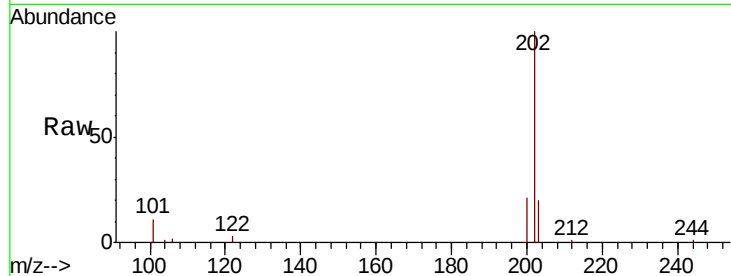
#26
Fluoranthene
Concen: 2.125 ng
RT: 19.12 min Scan# 1885
Delta R.T. -0.02 min
Lab File: BN007775.D
Acq: 20 Sep 2019 21:43

Instrument :
BNA_N
ClientSampleId :
SB-1DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.4	8.4	12.6
203	17.9	13.8	20.8

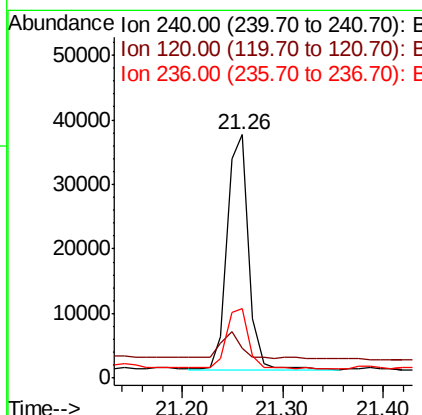
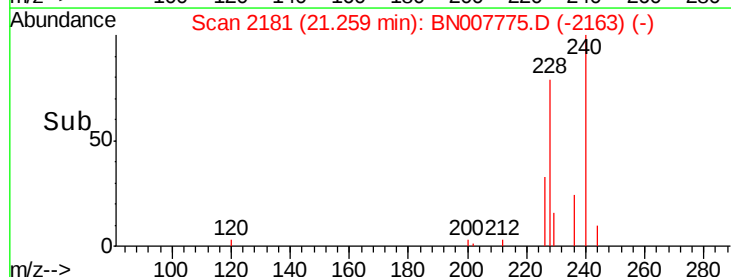
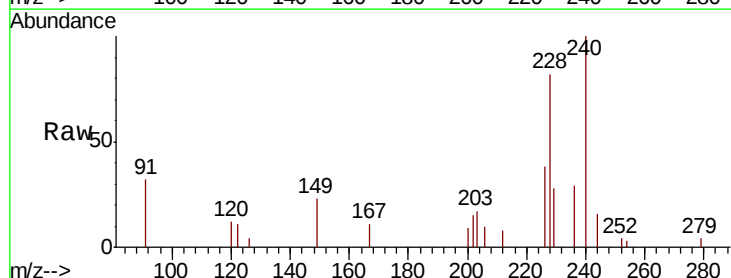
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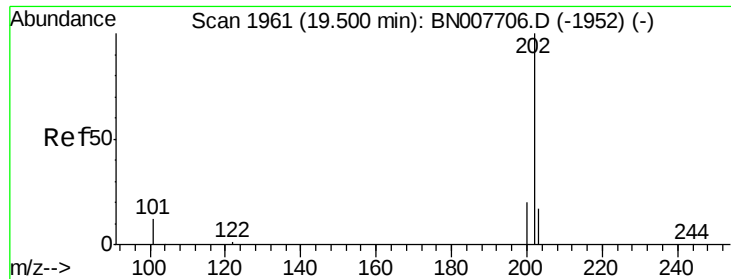
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#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.26 min Scan# 2181
Delta R.T. -0.01 min
Lab File: BN007775.D
Acq: 20 Sep 2019 21:43

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.1	5.4	8.2#
236	28.6	21.0	31.4





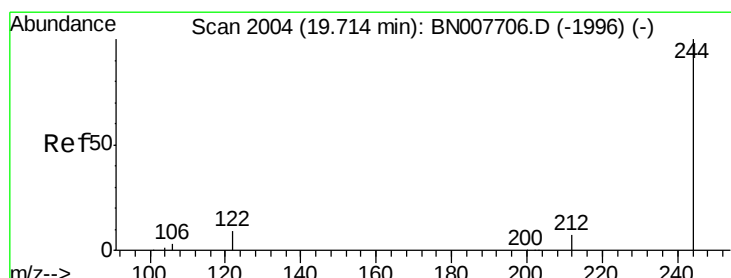
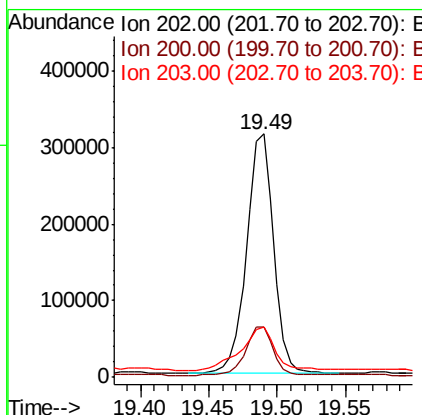
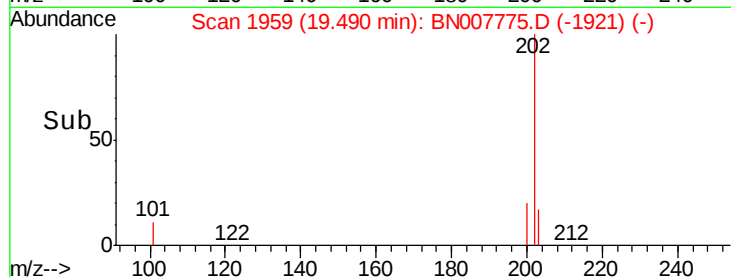
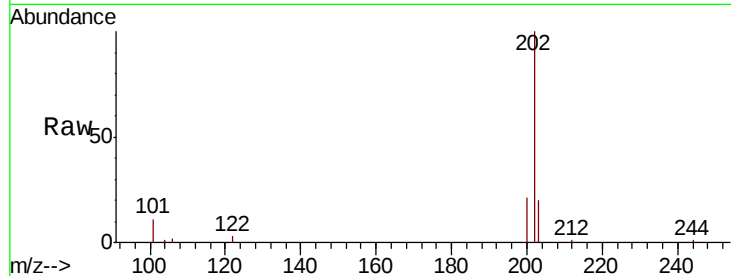
#28
Pvrene
Concen: 2.333 ng
RT: 19.49 min Scan# 1959
Delta R.T. -0.01 min
Lab File: BN007775.D
Acq: 20 Sep 2019 21:43

Instrument :
BNA_N
ClientSampleId :
SB-1DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.6	16.4	24.6
203	22.4	14.1	21.1#

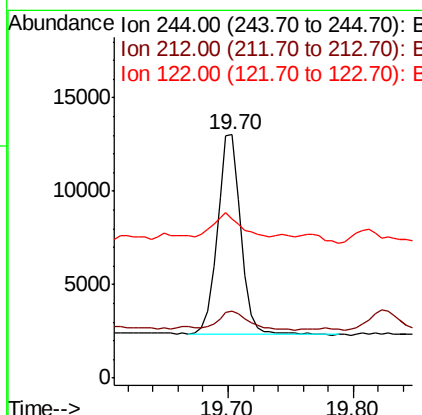
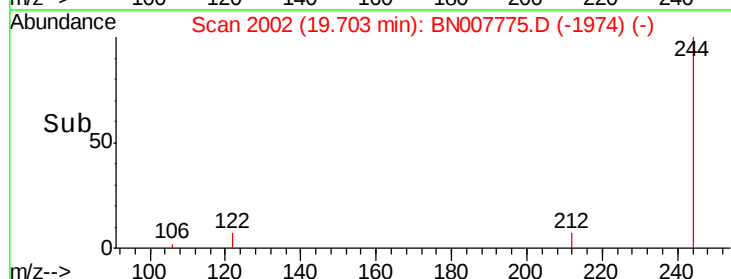
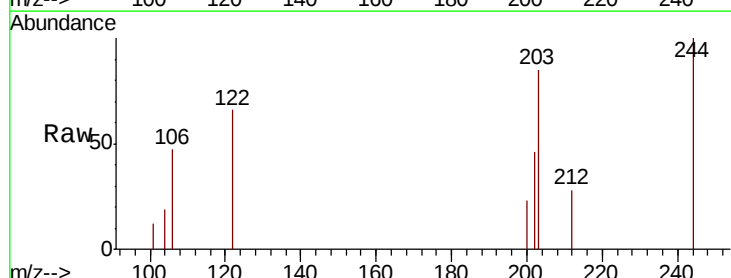
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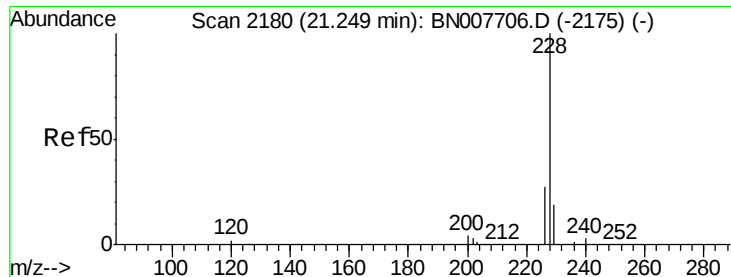
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#29
Terphenyl-d14
Concen: 0.105 ng
RT: 19.70 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BN007775.D
Acq: 20 Sep 2019 21:43

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	27.7	5.9	8.9#
122	65.6	7.4	11.2#





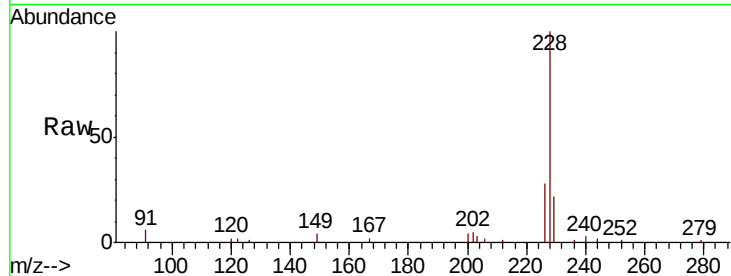
#30
Benzo(a)anthracene
Concen: 1.389 ng
RT: 21.24 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BN007775.D
Acq: 20 Sep 2019 21:43

Instrument :
BNA_N
ClientSampled :
SB-1DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.1	33.1
229	22.0	15.8	23.6

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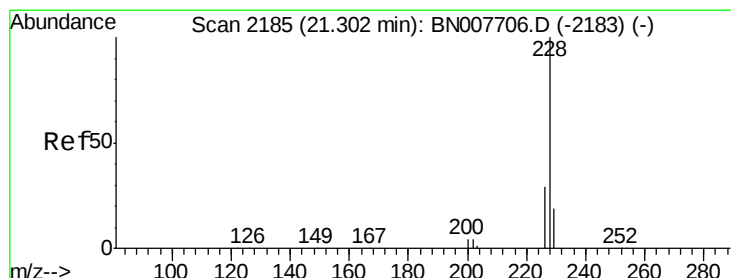
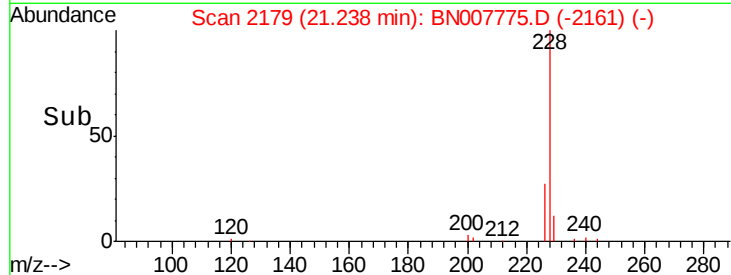
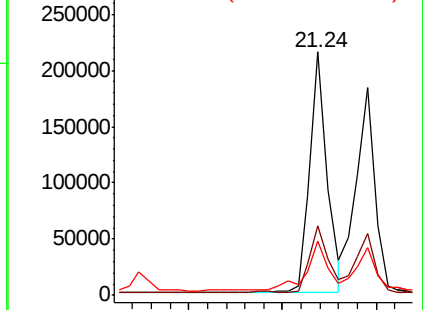


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#31
Chrysene
Concen: 1.325 ng
RT: 21.29 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BN007775.D
Acq: 20 Sep 2019 21:43

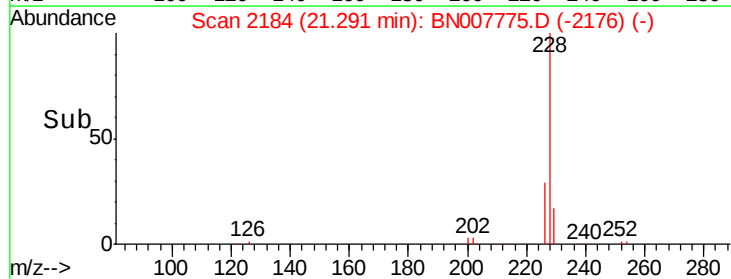
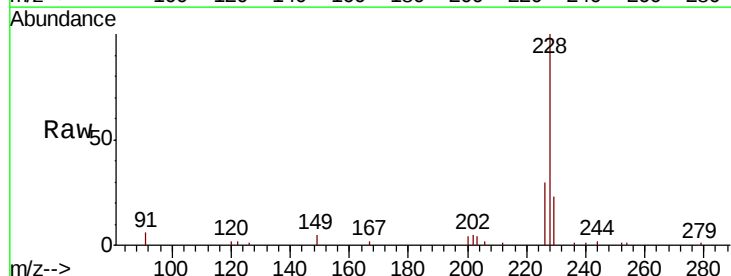
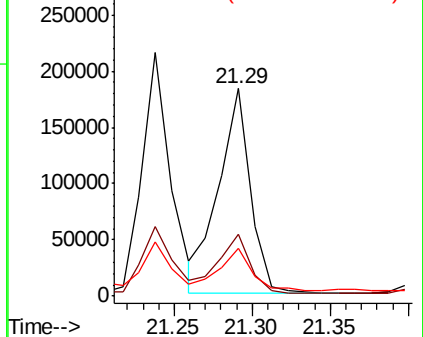
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.9	35.9
229	23.1	15.8	23.6

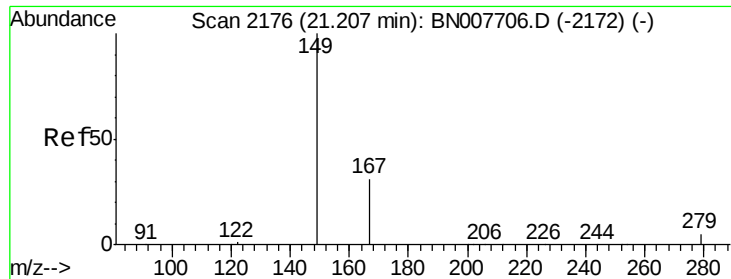
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





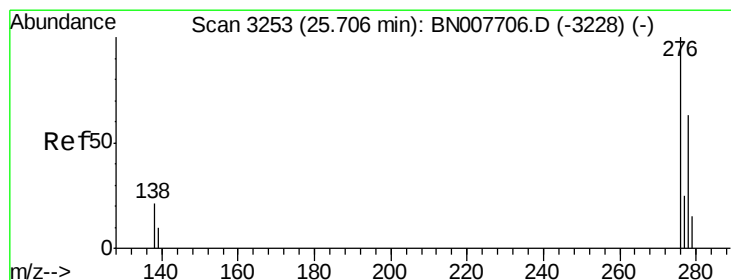
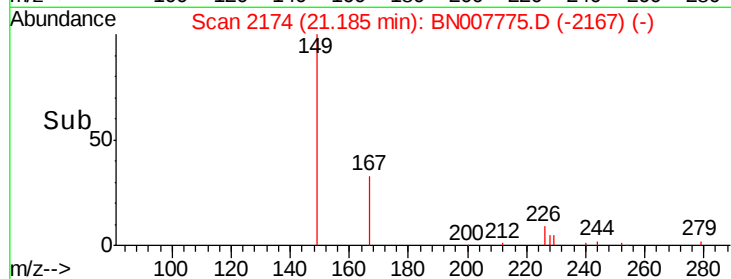
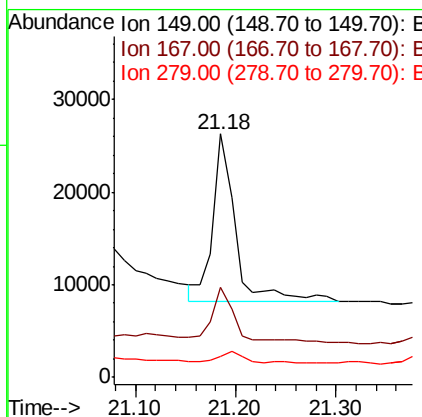
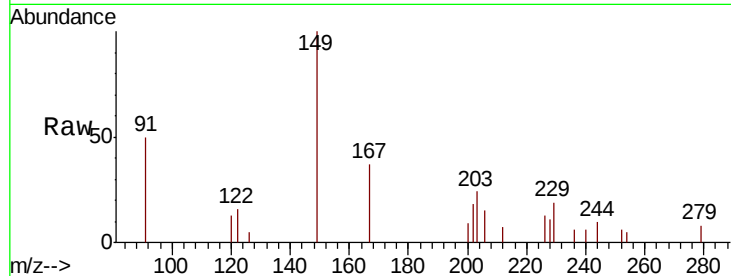
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.276 ng
 RT: 21.18 min Scan# 2174
 Delta R.T. -0.02 min
 Lab File: BN007775.D
 Acq: 20 Sep 2019 21:43

Instrument :
 BNA_N
 ClientSampleId :
 SB-1DL

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.1	23.7	35.5
279	6.4	4.2	6.2

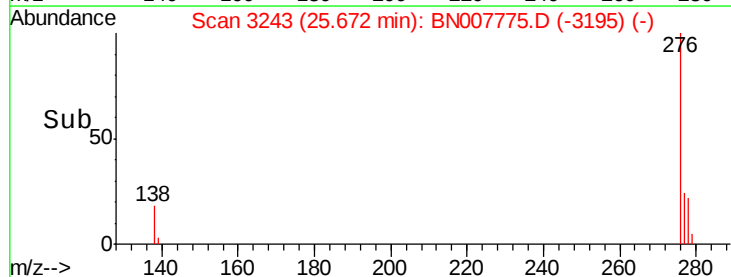
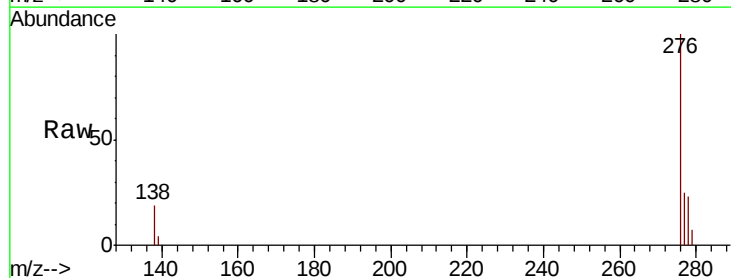
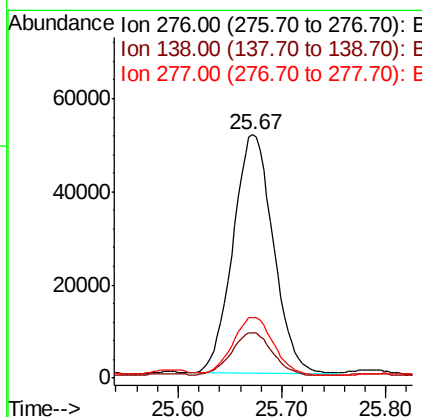
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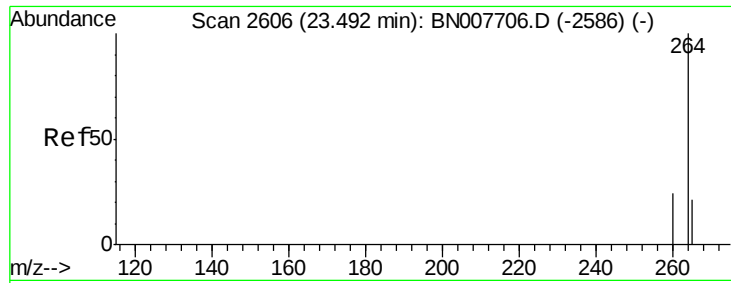
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#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.571 ng
 RT: 25.67 min Scan# 3243
 Delta R.T. -0.03 min
 Lab File: BN007775.D
 Acq: 20 Sep 2019 21:43

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.5	17.1	25.7
277	24.6	20.0	30.0





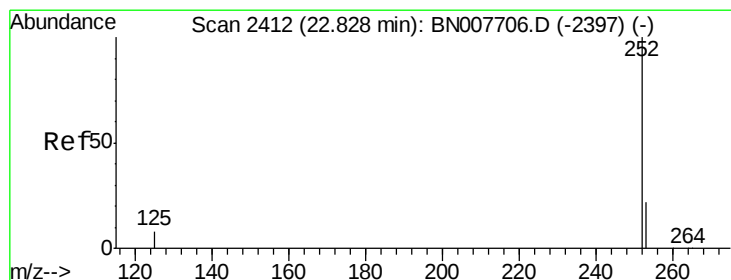
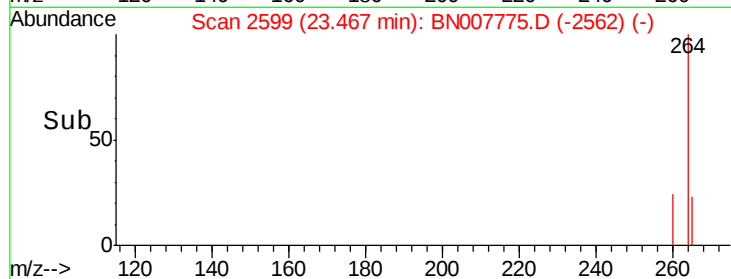
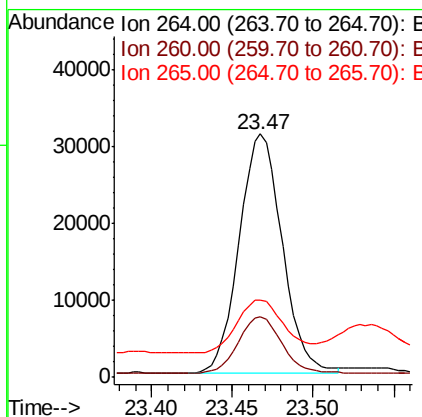
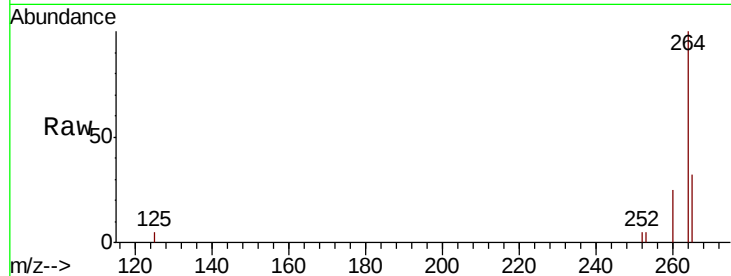
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.47 min Scan# 2599
Delta R.T. -0.02 min
Lab File: BN007775.D
Acq: 20 Sep 2019 21:43

Instrument :
BNA_N
ClientSampleId :
SB-1DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.3	28.9
265	31.7	26.9	40.3

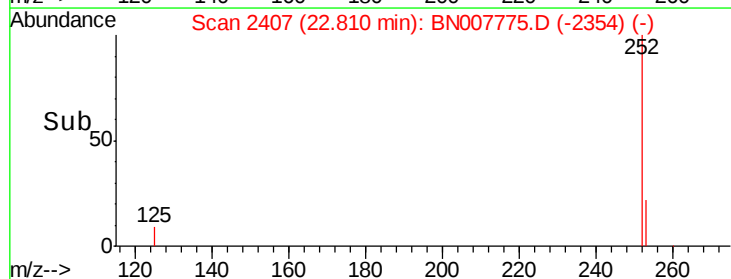
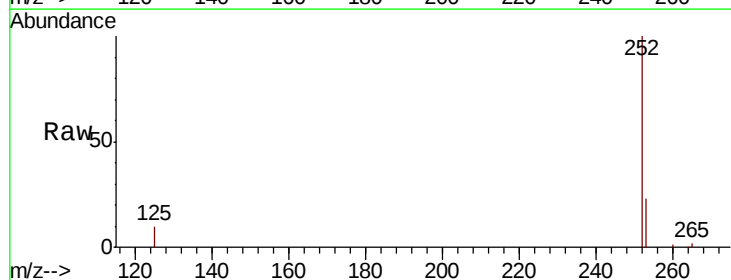
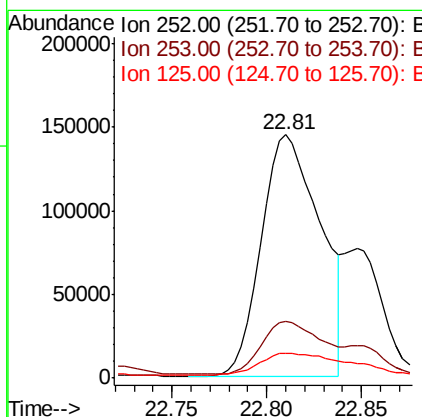
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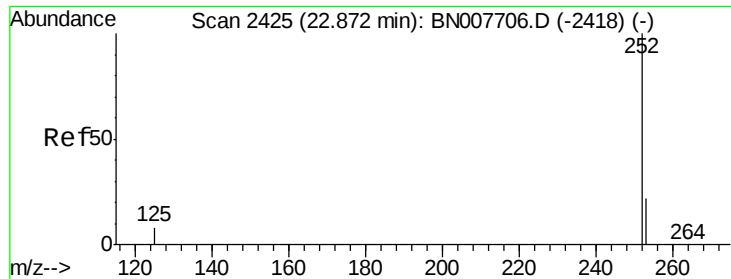
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#35
Benzo(b)fluoranthene
Concen: 1.553 ng
RT: 22.81 min Scan# 2407
Delta R.T. -0.02 min
Lab File: BN007775.D
Acq: 20 Sep 2019 21:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.3	27.5
125	10.2	8.2	12.4





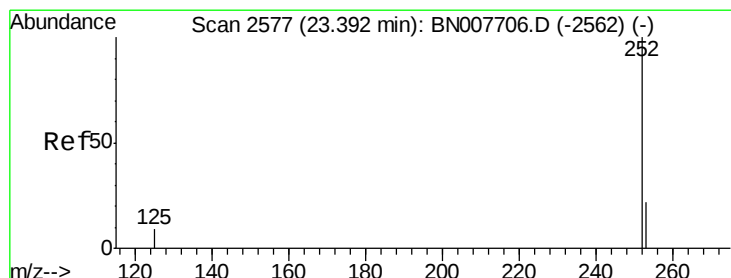
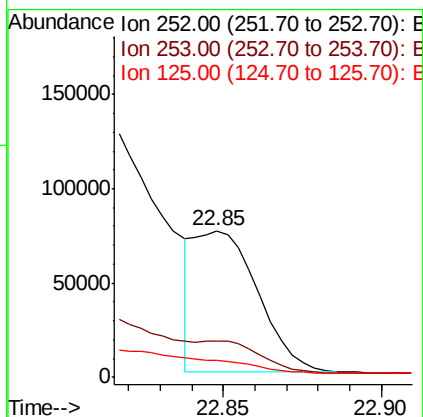
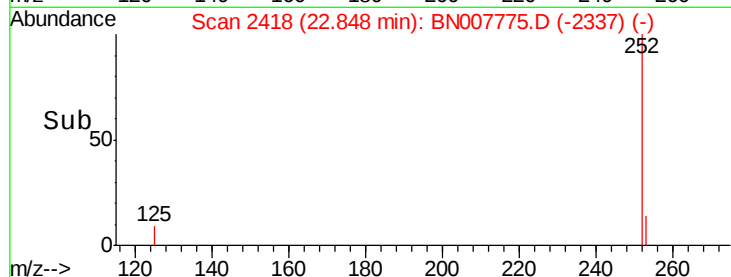
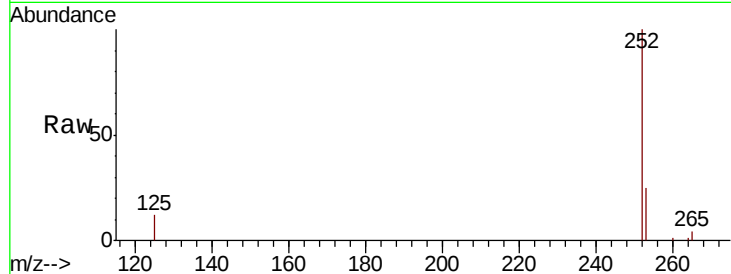
#36
Benzo(k)fluoranthene
Concen: 0.533 ng m
RT: 22.85 min Scan# 2418
Delta R.T. -0.02 min
Lab File: BN007775.D
Acq: 20 Sep 2019 21:43

Instrument :
BNA_N
ClientSampleId :
SB-1DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.5	27.7
125	11.6	8.4	12.6

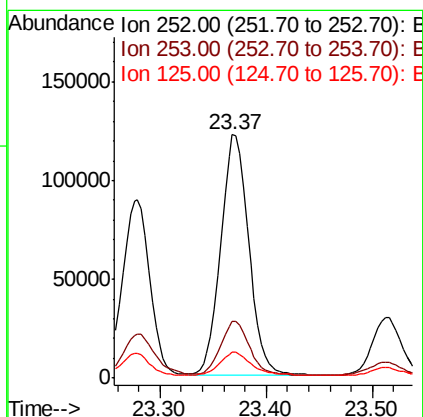
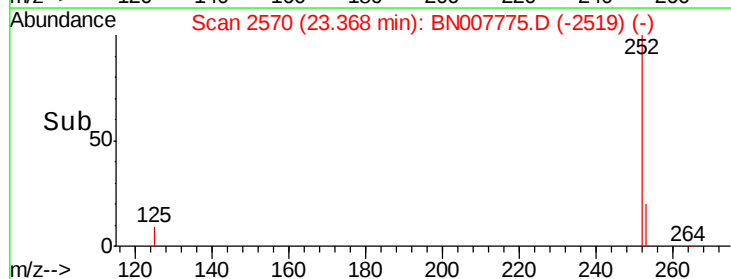
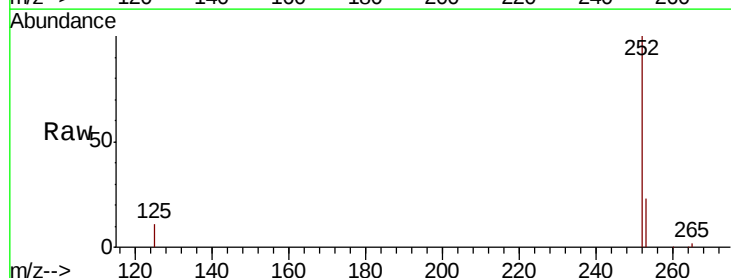
Manual Integrations
APPROVED

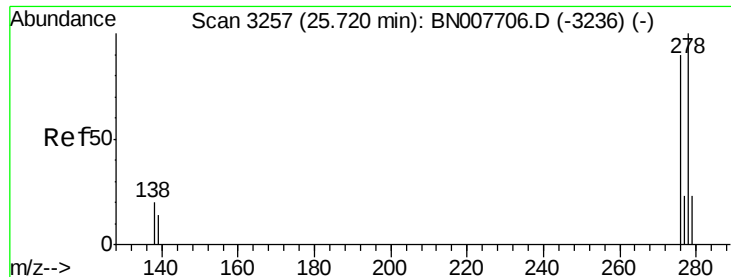
mohammad
9/24/2019 8:34:30 AM



#37
Benzo(a)pyrene
Concen: 1.185 ng
RT: 23.37 min Scan# 2570
Delta R.T. -0.02 min
Lab File: BN007775.D
Acq: 20 Sep 2019 21:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.6	27.8
125	10.6	9.4	14.0





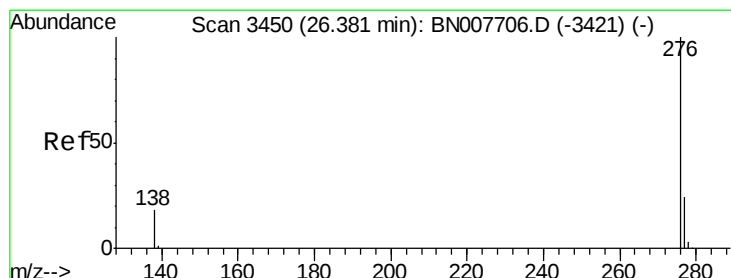
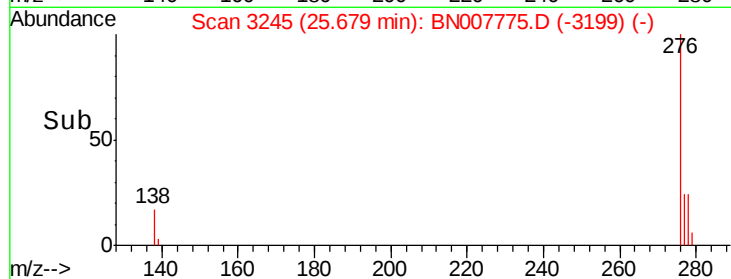
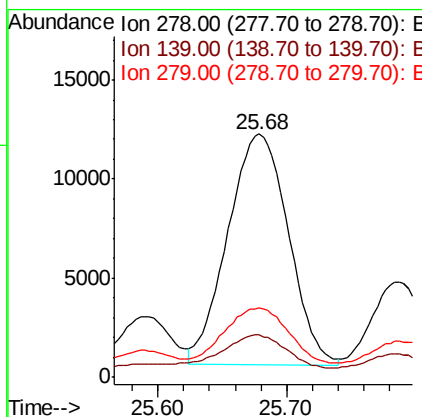
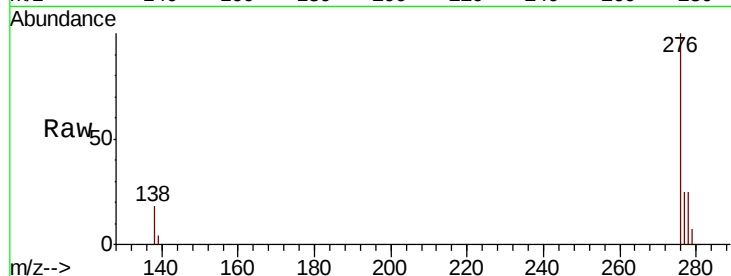
#38
Dibenzo(a,h)anthracene
Concen: 0.198 ng
RT: 25.68 min Scan# 3245
Delta R.T. -0.04 min
Lab File: BN007775.D
Acq: 20 Sep 2019 21:43

Instrument :
BNA_N
ClientSampleId :
SB-1DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.4	11.8	17.6
279	28.5	19.4	29.2

Manual Integrations
APPROVED

mohammad
9/24/2019 8:34:30 AM



#39
Benzo(g,h,i)perylene
Concen: 0.720 ng
RT: 26.34 min Scan# 3439
Delta R.T. -0.04 min
Lab File: BN007775.D
Acq: 20 Sep 2019 21:43

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.8	29.8
138	19.0	15.1	22.7

