

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082019\
 Data File : BN007274.D
 Acq On : 20 Aug 2019 20:51
 Operator : HP/JU
 Sample : K4409-10
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S301-J-1.5-2.0-081919

Manual Integrations
 APPROVED

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 8/21/2019 4:06:50 PM

Quant Time: Aug 20 21:23:14 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Aug 20 18:52:43 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.41	152	5575	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	21045	0.40	ng	0.00
13) Acenaphthene-d10	14.06	164	12265	0.40	ng	0.00
19) Phenanthrene-d10	16.80	188	29390	0.40	ng	0.00
27) Chrysene-d12	21.03	240	29827	0.40	ng	0.00
34) Perylene-d12	23.14	264	33233	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.04	112	4330	0.25	ng	0.00
5) Phenol-d6	6.60	99	5763	0.29	ng	0.00
8) Nitrobenzene-d5	8.54	82	4502	0.28	ng	0.00
11) 2-Methylnaphthalene-d10	11.77	152	9636	0.26	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	1891	0.27	ng	0.00
15) 2-Fluorobiphenyl	12.68	172	12689	0.24	ng	0.00
25) Fluoranthene-d10	18.85	212	22228	0.24	ng	0.00
29) Terphenyl-d14	19.47	244	16658	0.22	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.22	128	16179	0.271	ng	98
12) 2-Methylnaphthalene	11.84	142	4832	0.117	ng	97
16) Acenaphthylene	13.77	152	27389	0.421	ng	99
17) Acenaphthene	14.12	154	14142	0.341	ng	99
18) Fluorene	15.12	166	13794	0.255	ng	94
23) Phenanthrene	16.85	178	291716	3.167	ng	100
24) Anthracene	16.94	178	119685	1.443	ng	98
26) Fluoranthene	18.88	202	1397581	12.526	ng	99
28) Pyrene	19.25	202	1227640	11.007	ng	# 95
30) Benzo(a)anthracene	21.00	228	1005357	9.065	ng	97
31) Chrysene	21.06	228	741232	6.549	ng	98
32) Bis(2-ethylhexyl)phthalate	20.98	149	34796	0.785	ng	95
33) Indeno(1,2,3-cd)pyrene	25.20	276	541592	3.977	ng	96
35) Benzo(b)fluoranthene	22.52	252	1125025	9.081	ng	98
36) Benzo(k)fluoranthene	22.55	252	404216m	3.330	ng	
37) Benzo(a)pyrene	23.04	252	830268	7.436	ng	98
38) Dibenzo(a,h)anthracene	25.21	278	134382	1.146	ng	96
39) Benzo(a,h,i)perylene	25.83	276	513236	4.329	ng	99

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

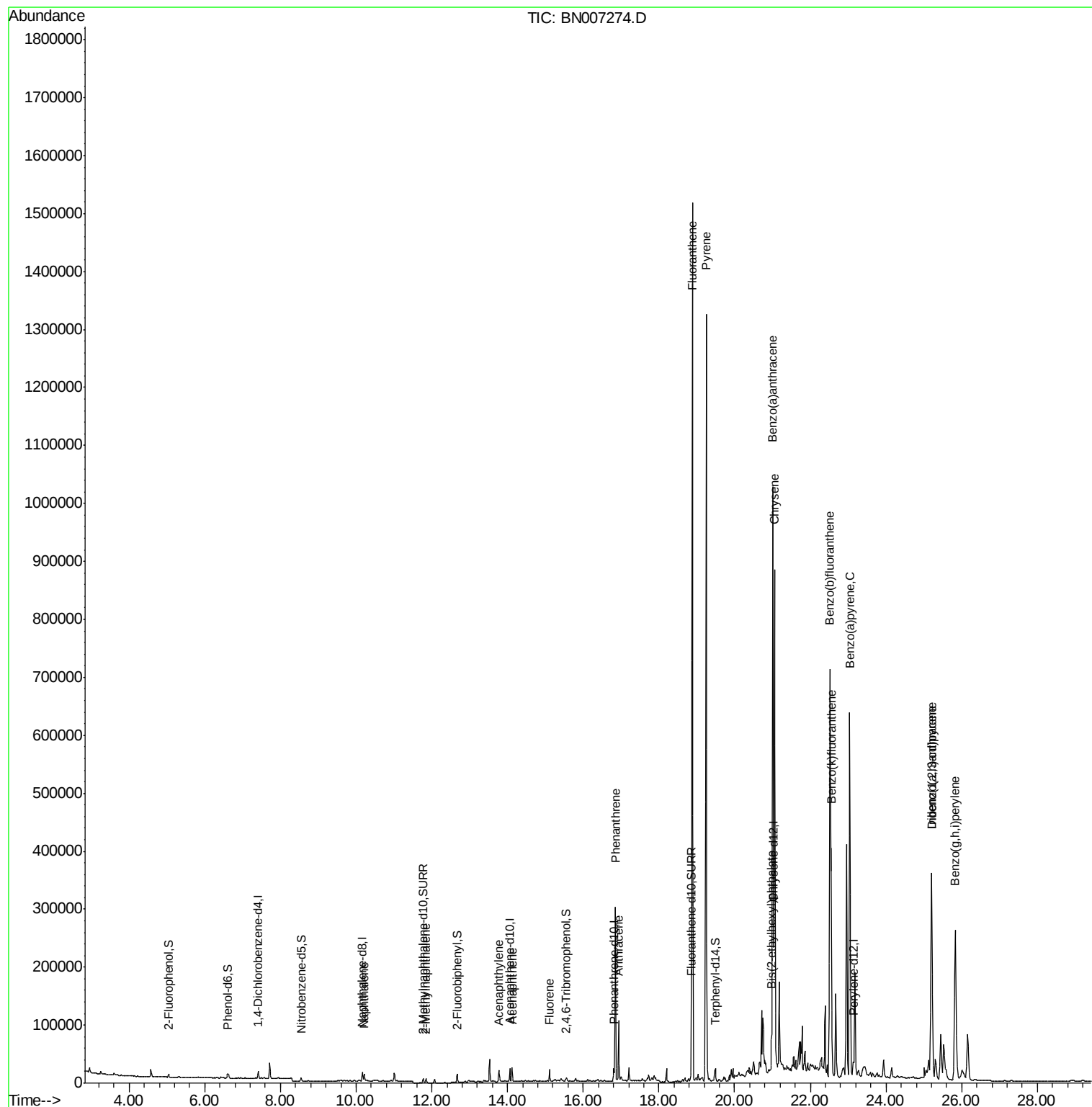
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082019\
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Misc :
ALS Vial : 15 Sample Multiplier: 1

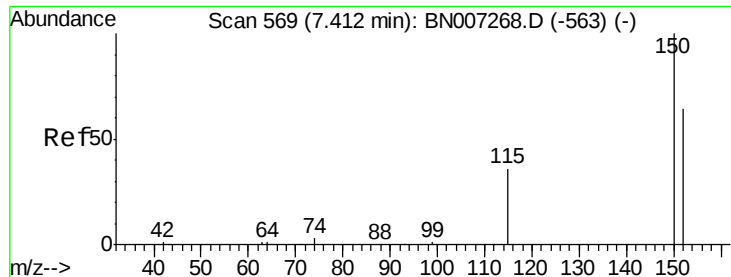
Instrument :
BNA_N
ClientSampleId :
S301-J-1.5-2.0-081919

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

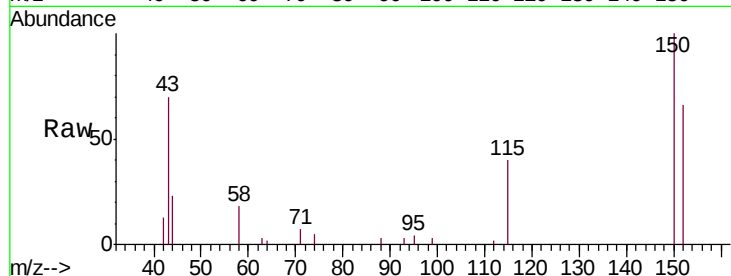
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.41 min Scan# 569
Delta R.T. -0.00 min
Lab File: BN007274.D
Acq: 20 Aug 2019 20:51

Instrument :
BNA_N
ClientSampleId :
S301-J-1.5-2.0-081919

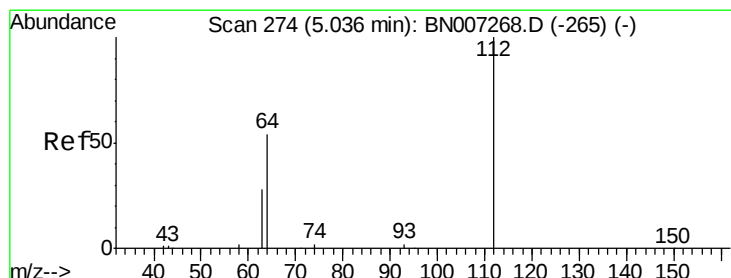
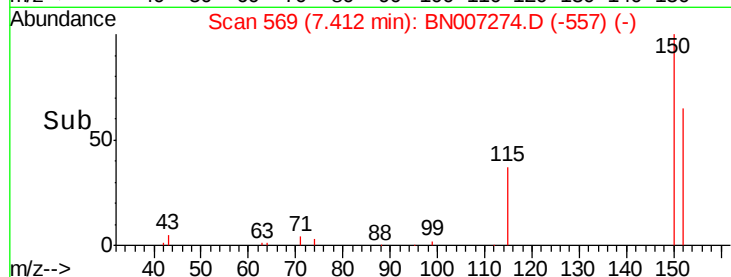
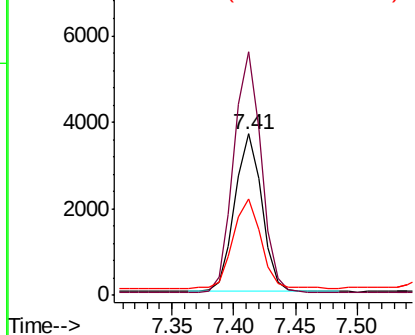
Tot Ion	Ratio	Lower	Upper
152	100		
150	151.1	123.8	185.8
115	59.7	47.3	70.9

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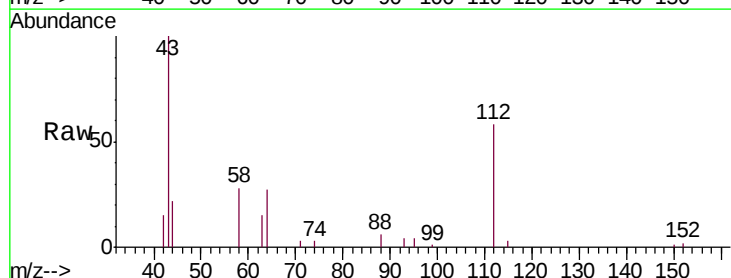
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



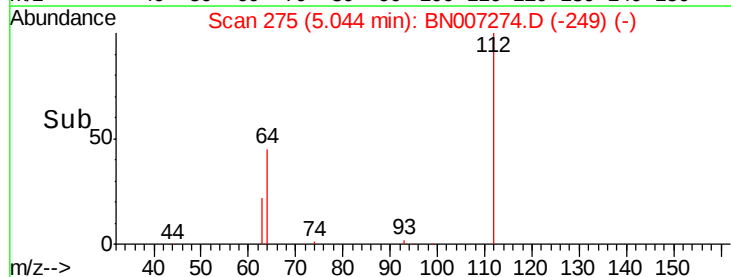
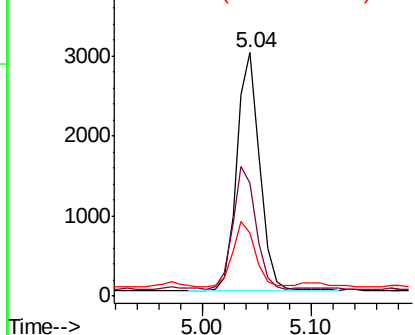
#4

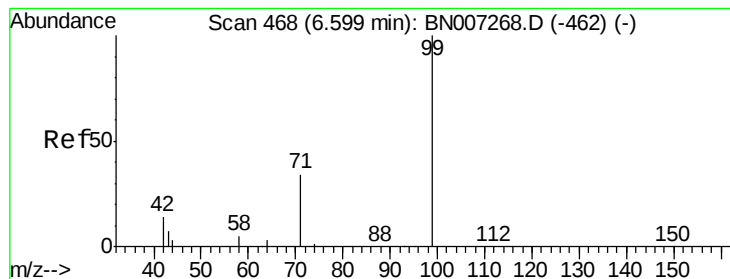
2-Fluorophenol
Concen: 0.255 ng
RT: 5.04 min Scan# 275
Delta R.T. 0.01 min
Lab File: BN007274.D
Acq: 20 Aug 2019 20:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.0	41.8	62.8
63	27.6	22.6	34.0



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: 0.291 ng

RT: 6.60 min Scan# 468

Delta R.T. 0.00 min

Lab File: BN007274.D

Acq: 20 Aug 2019 20:51

Instrument :

BNA_N

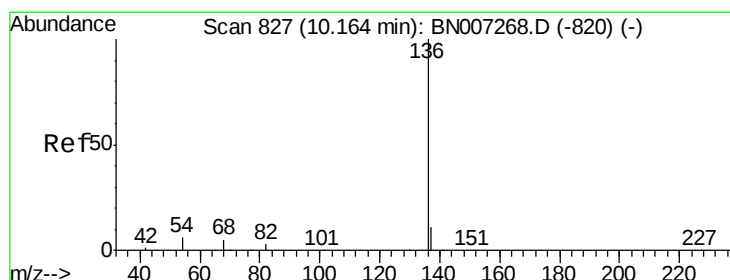
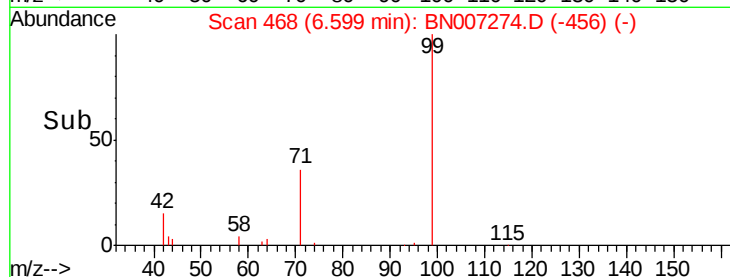
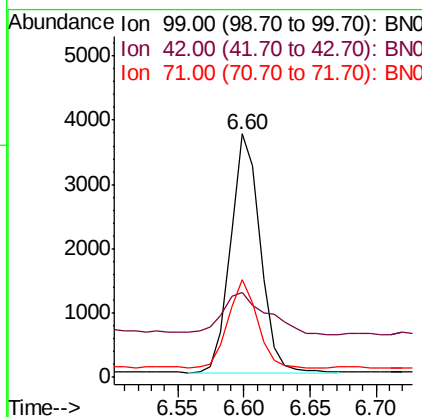
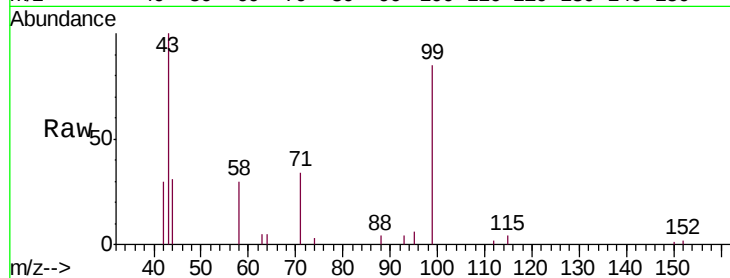
ClientSampleId :

S301-J-1.5-2.0-081919

Tot Ion:	99	Resp:	5763
Ion	Ratio	Lower	Upper
99	100		
42	27.5	14.3	21.5#
71	36.6	27.3	40.9

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#7

Naphthalene-d8

Concen: 0.400 ng

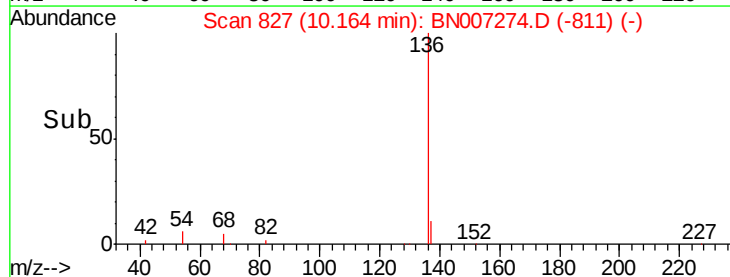
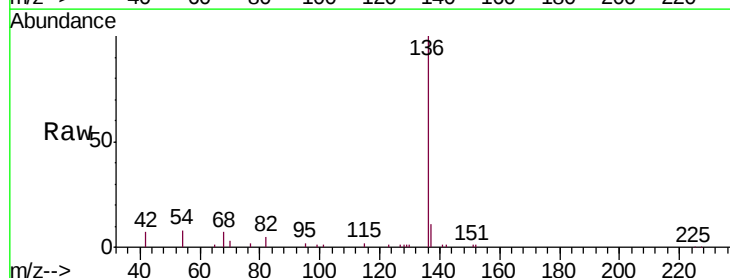
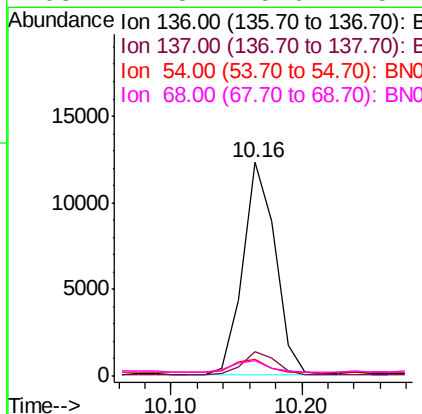
RT: 10.16 min Scan# 827

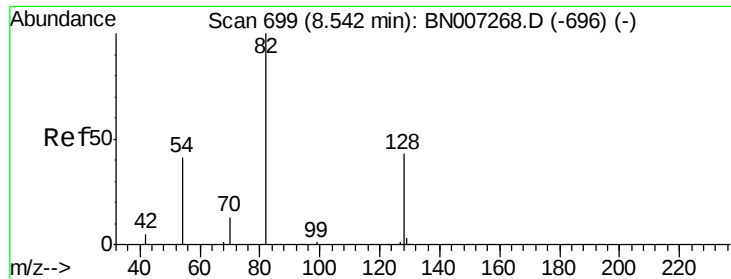
Delta R.T. -0.00 min

Lab File: BN007274.D

Acq: 20 Aug 2019 20:51

Tgt Ion:	136	Resp:	21045
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	7.6	5.9	8.9
68	7.3	5.6	8.4





#8

Nitrobenzene-d5

Concen: 0.279 ng

RT: 8.54 min Scan# 699

Delta R.T. -0.00 min

Lab File: BN007274.D

Acq: 20 Aug 2019 20:51

Instrument :

BNA_N

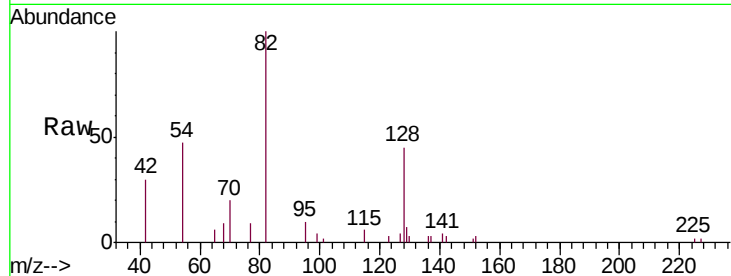
ClientSampleId :

S301-J-1.5-2.0-081919

Tot Ion:	82	Resp:	4502
Ion	Ratio	Lower	Upper
82	100		
128	44.9	35.8	53.6
54	46.5	34.7	52.1

Manual Integrations
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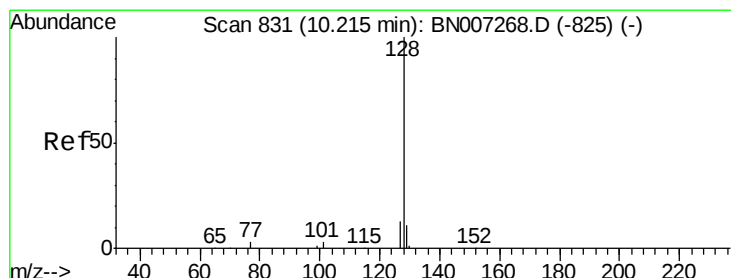
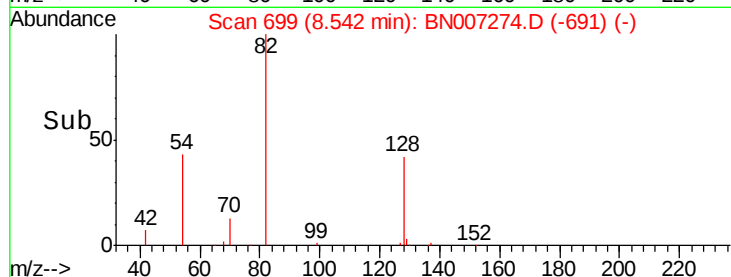
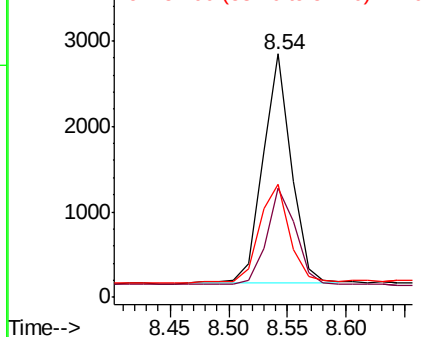


Abundance

Ion 82.00 (81.70 to 82.70): BN007268.D (-696) (-)

Ion 128.00 (127.70 to 128.70): BN007268.D (-696) (-)

Ion 54.00 (53.70 to 54.70): BN007268.D (-696) (-)



#9

Naphthalene

Concen: 0.271 ng

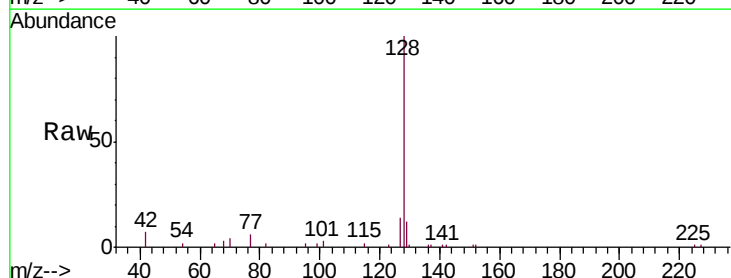
RT: 10.22 min Scan# 831

Delta R.T. -0.00 min

Lab File: BN007274.D

Acq: 20 Aug 2019 20:51

Tgt Ion:	128	Resp:	16179
Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.1	13.7
127	14.0	10.6	16.0

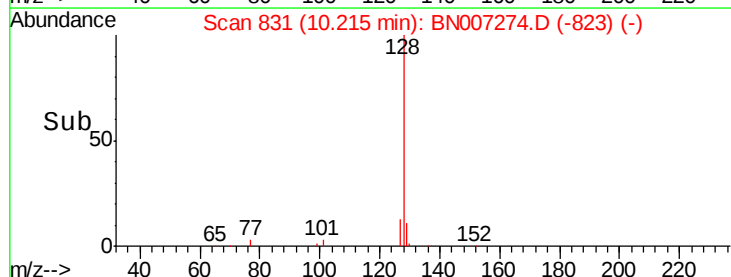
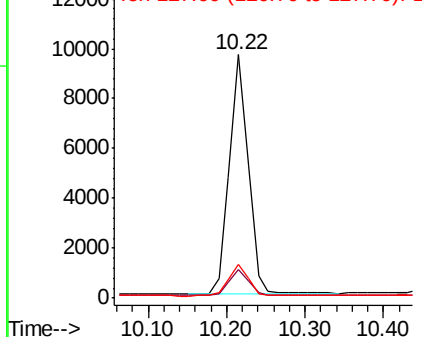


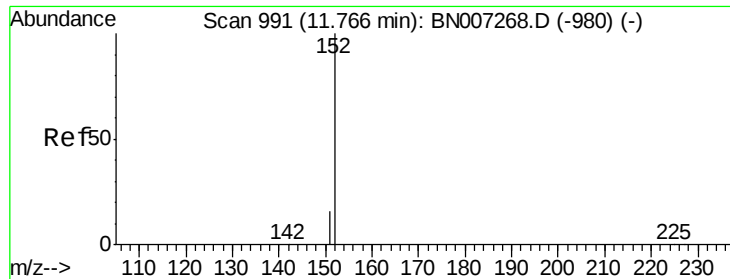
Abundance

Ion 128.00 (127.70 to 128.70): BN007268.D (-825) (-)

Ion 129.00 (128.70 to 129.70): BN007268.D (-825) (-)

Ion 127.00 (126.70 to 127.70): BN007268.D (-825) (-)





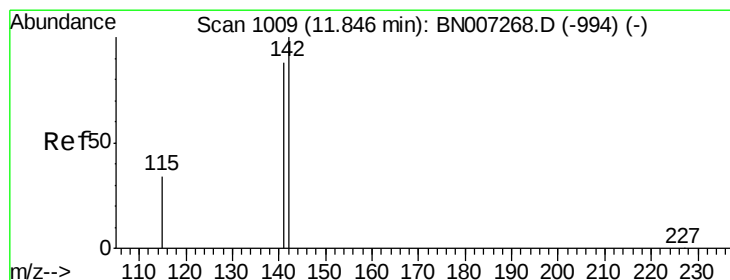
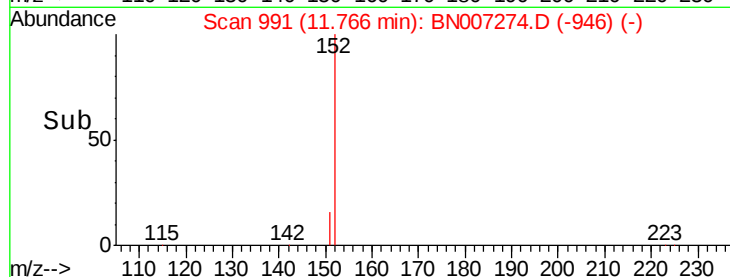
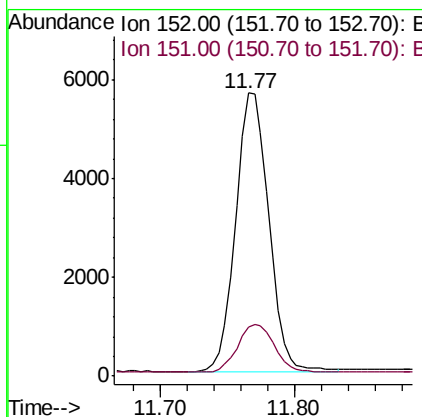
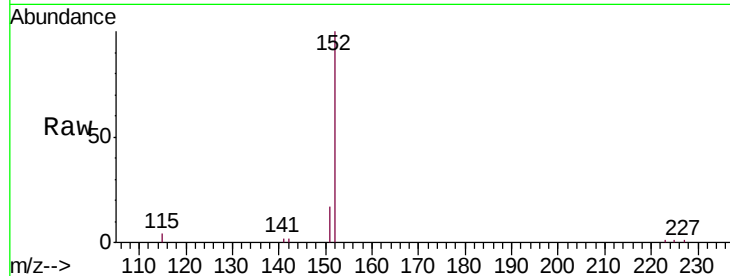
#11
2-Methylnaphthalene-d10
Concen: 0.265 ng
RT: 11.77 min Scan# 991
Delta R.T. -0.00 min
Lab File: BN007274.D
Acq: 20 Aug 2019 20:51

Instrument :
BNA_N
ClientSampleId :
S301-J-1.5-2.0-081919

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.2	22.8

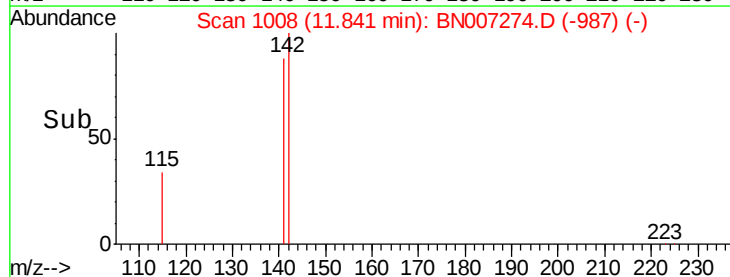
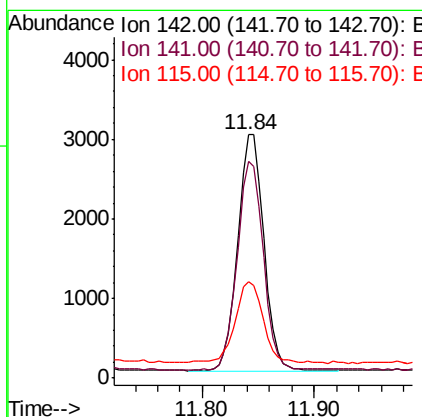
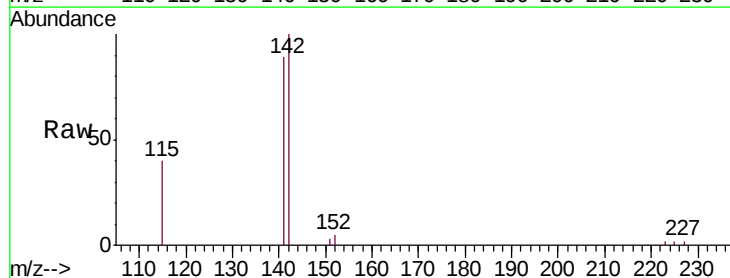
Manual Integrations
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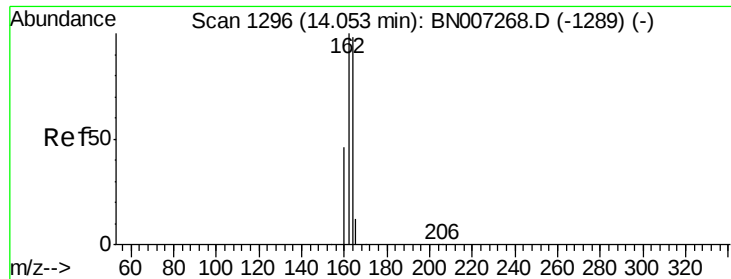
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#12
2-Methylnaphthalene
Concen: 0.117 ng
RT: 11.84 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BN007274.D
Acq: 20 Aug 2019 20:51

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.7	106.1
115	39.8	28.1	42.1





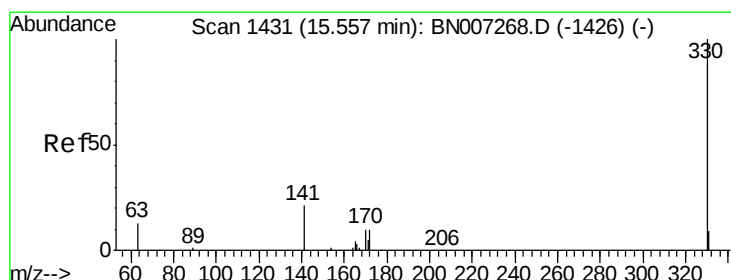
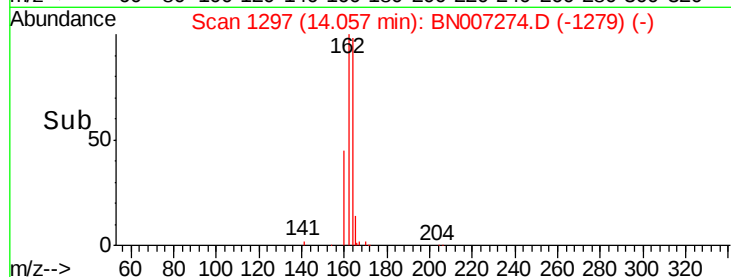
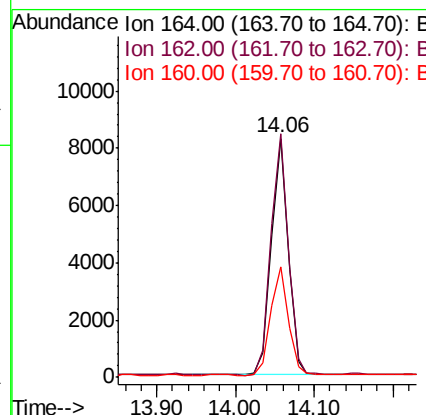
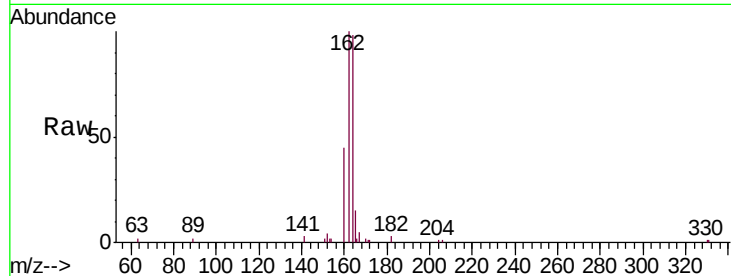
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.06 min Scan# 1297
Delta R.T. 0.00 min
Lab File: BN007274.D
Acq: 20 Aug 2019 20:51

Instrument :
BNA_N
ClientSampleId :
S301-J-1.5-2.0-081919

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.0	82.0	123.0
160	46.3	38.2	57.4

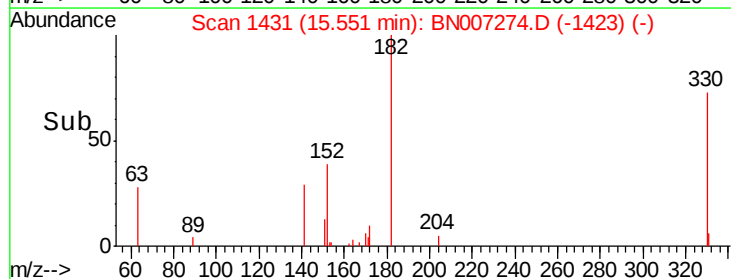
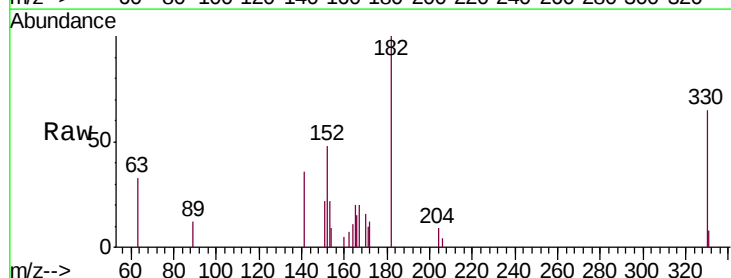
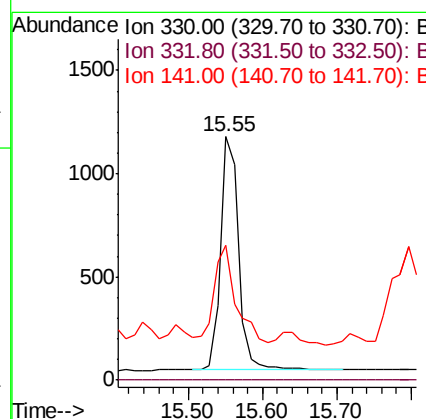
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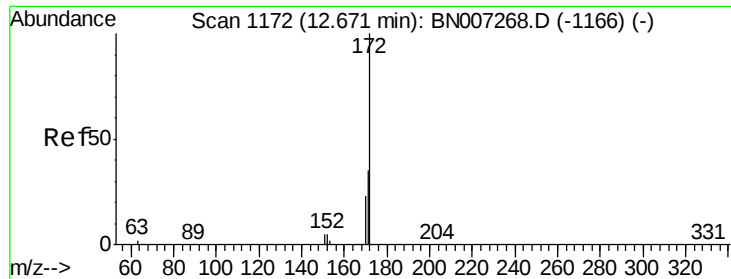
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#14
2,4,6-Tribromophenol
Concen: 0.275 ng
RT: 15.55 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BN007274.D
Acq: 20 Aug 2019 20:51

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	49.6	30.3	45.5#





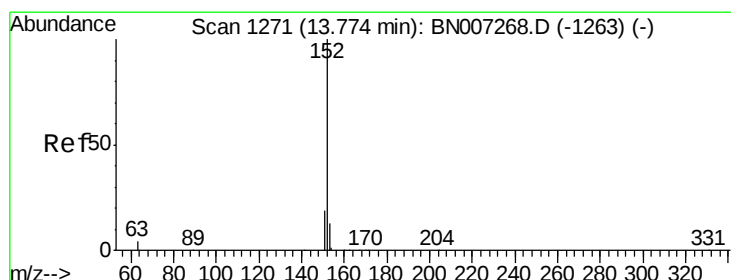
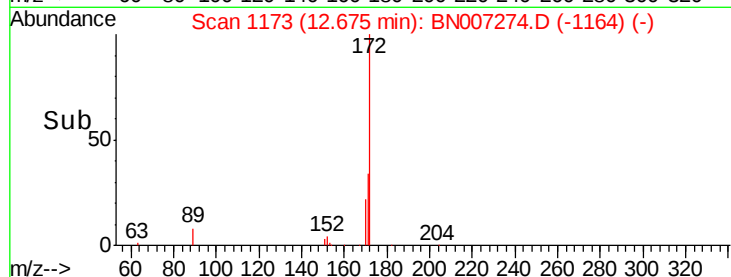
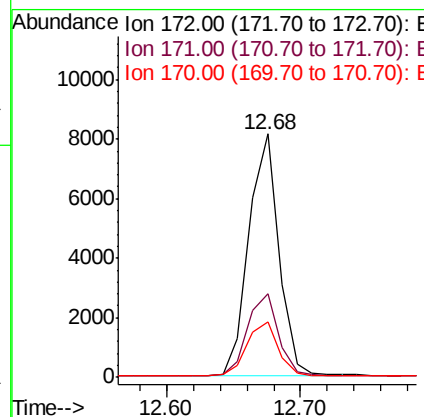
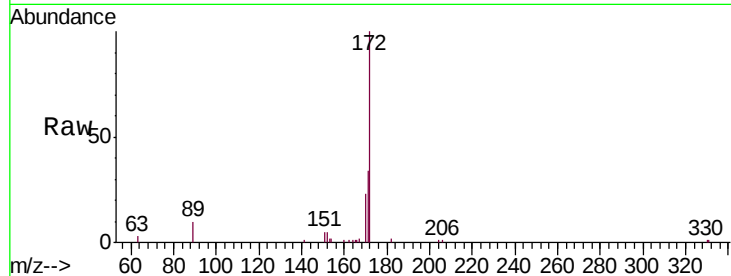
#15
2-Fluorobiphenyl
Concen: 0.241 ng
RT: 12.68 min Scan# 1173
Delta R.T. 0.00 min
Lab File: BN007274.D
Acq: 20 Aug 2019 20:51

Instrument :
BNA_N
ClientSampleId :
S301-J-1.5-2.0-081919

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.6	43.0
170	22.7	18.7	28.1

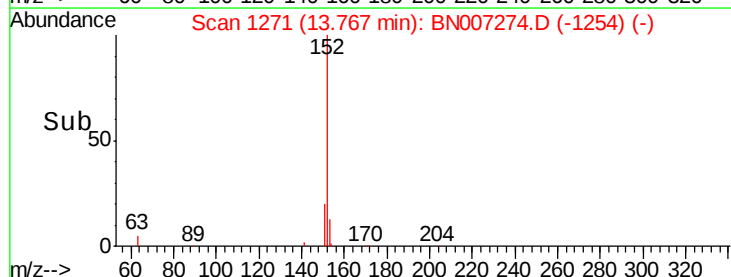
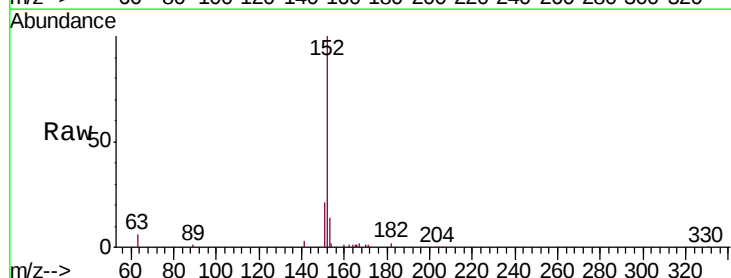
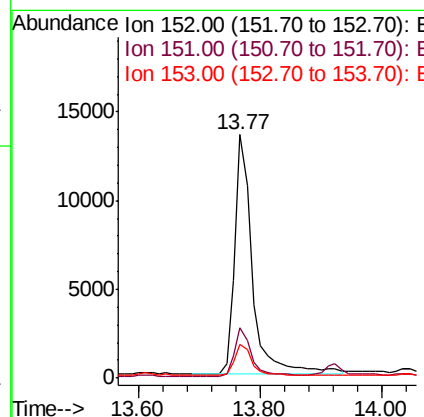
Manual Integrations
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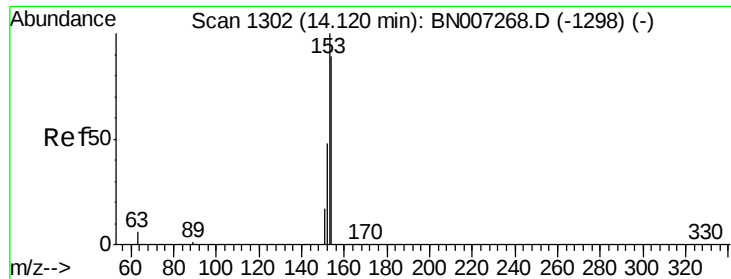
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#16
Acenaphthylene
Concen: 0.421 ng
RT: 13.77 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BN007274.D
Acq: 20 Aug 2019 20:51

Tgt Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.4	23.2
153	13.0	10.1	15.1





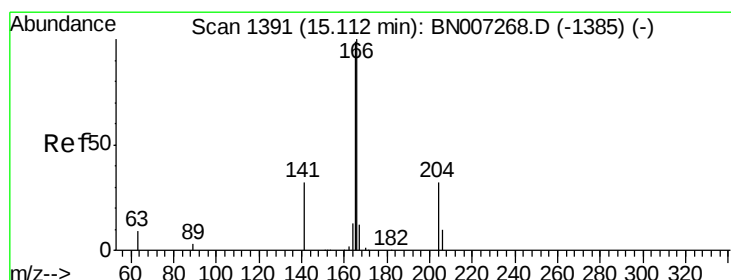
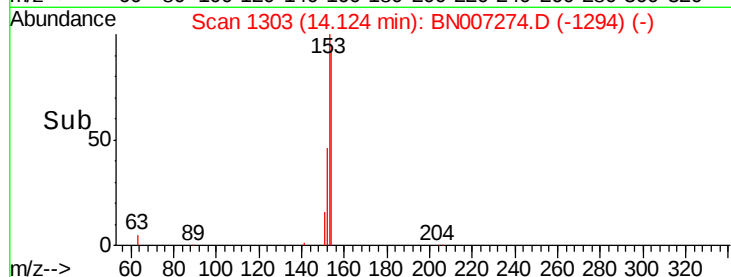
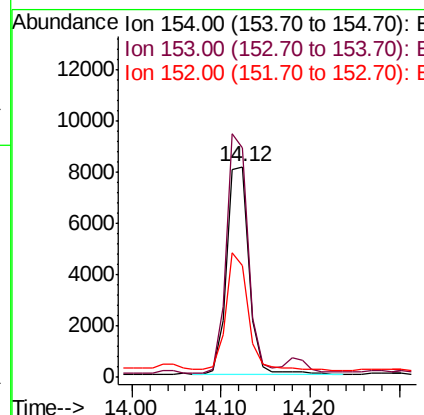
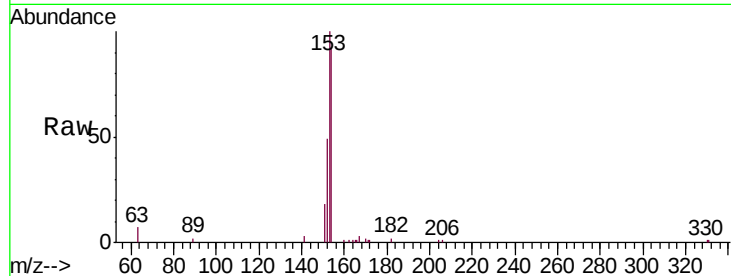
#17
Acenaphthene
Concen: 0.341 ng
RT: 14.12 min Scan# 1303
Delta R.T. 0.00 min
Lab File: BN007274.D
Acq: 20 Aug 2019 20:51

Instrument :
BNA_N
ClientSampleId :
S301-J-1.5-2.0-081919

Tot Ion	Ratio	Lower	Upper
154	100		
153	112.0	89.9	134.9
152	56.6	43.9	65.9

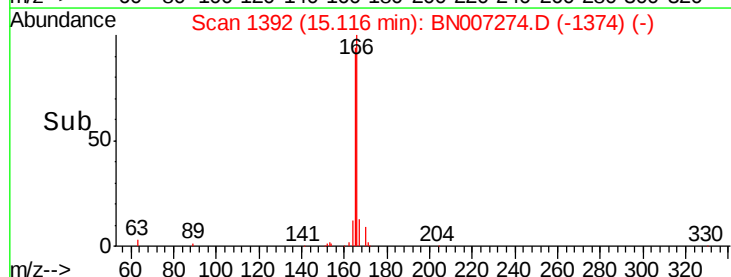
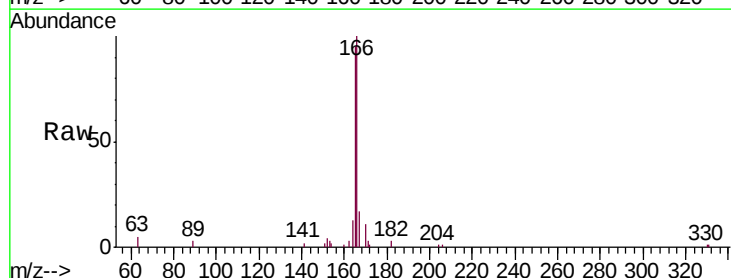
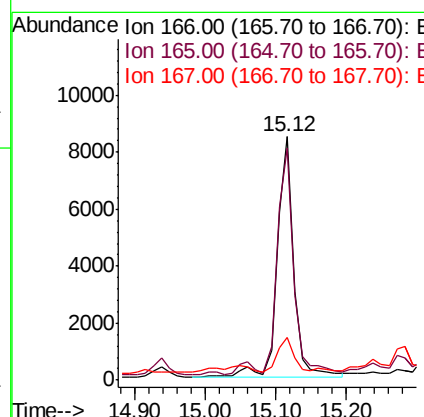
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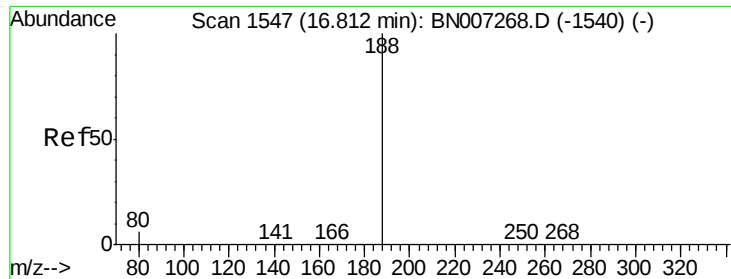
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#18
Fluorene
Concen: 0.255 ng
RT: 15.12 min Scan# 1392
Delta R.T. 0.00 min
Lab File: BN007274.D
Acq: 20 Aug 2019 20:51

Tgt Ion	Ratio	Lower	Upper
166	100		
165	91.2	78.3	117.5
167	13.5	11.1	16.7





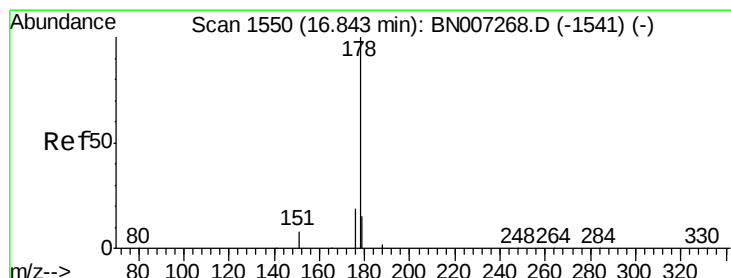
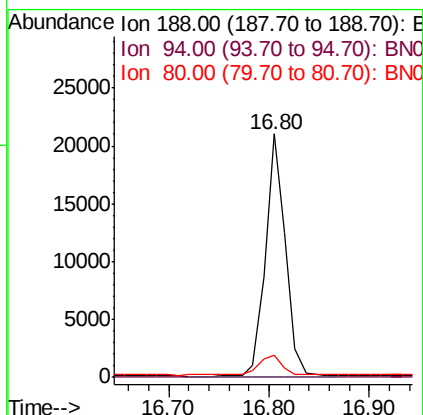
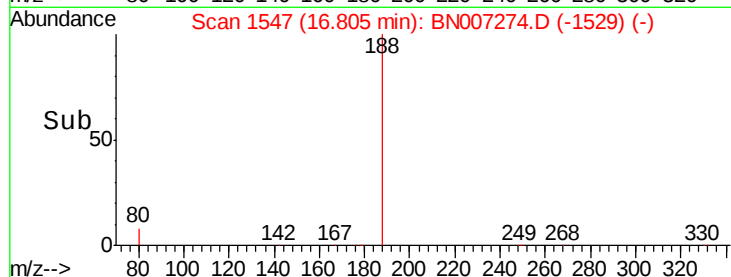
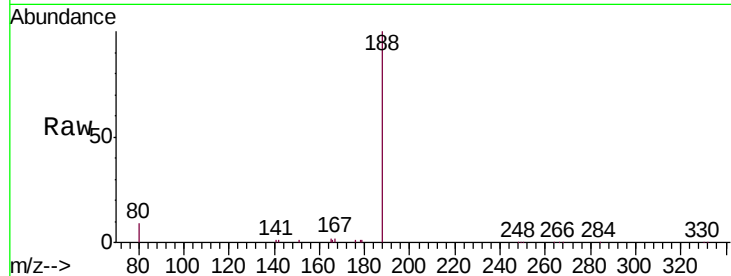
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.80 min Scan# 1547
Delta R.T. -0.01 min
Lab File: BN007274.D
Acq: 20 Aug 2019 20:51

Instrument :
BNA_N
ClientSampleId :
S301-J-1.5-2.0-081919

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.0	5.2	7.8

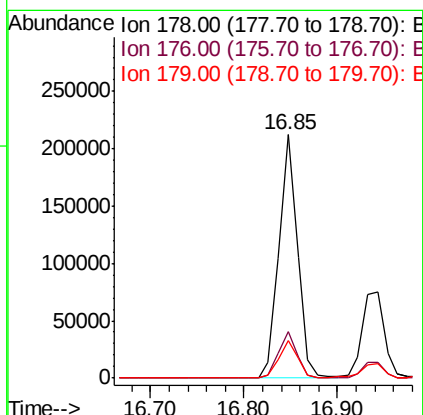
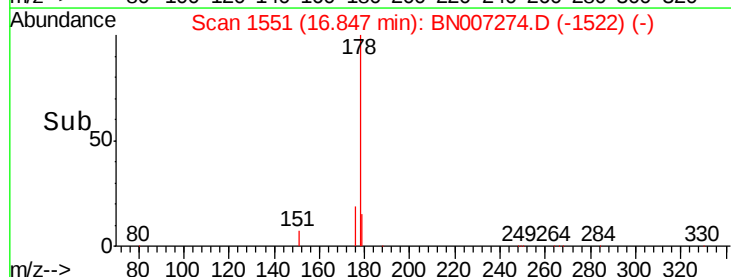
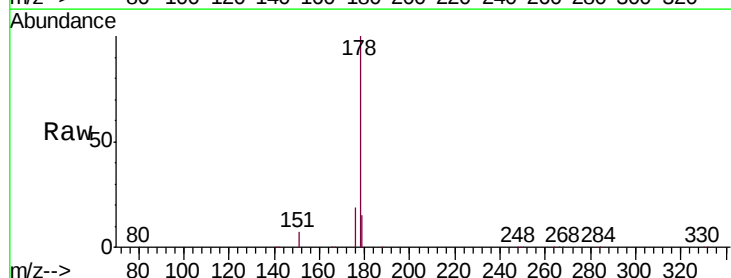
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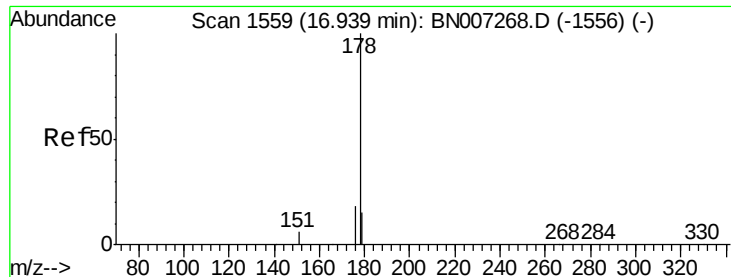
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#23
Phenanthrene
Concen: 3.167 ng
RT: 16.85 min Scan# 1551
Delta R.T. 0.00 min
Lab File: BN007274.D
Acq: 20 Aug 2019 20:51

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.0	15.2	22.8
179	15.1	12.3	18.5





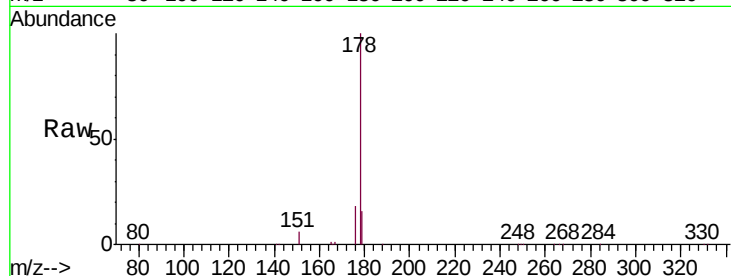
#24
 Anthracene
 Concen: 1.443 ng
 RT: 16.94 min Scan# 1560
 Delta R.T. 0.00 min
 Lab File: BN007274.D
 Acq: 20 Aug 2019 20:51

Instrument :
 BNA_N
 ClientSampleId :
 S301-J-1.5-2.0-081919

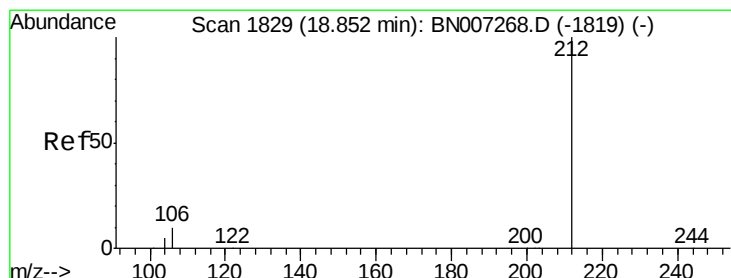
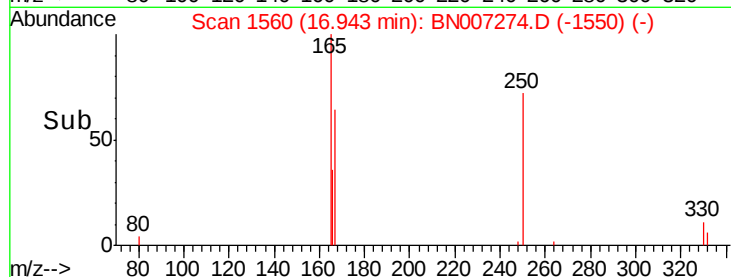
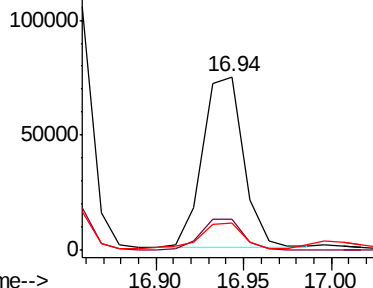
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.3	21.5
179	16.1	12.3	18.5

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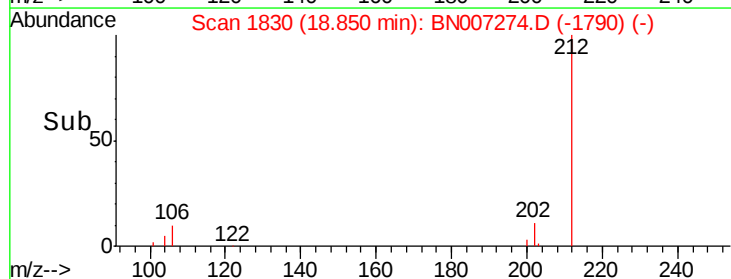
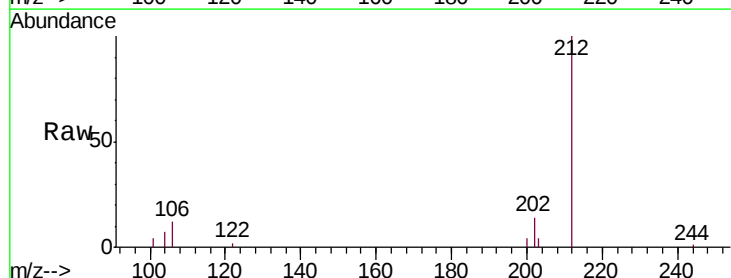
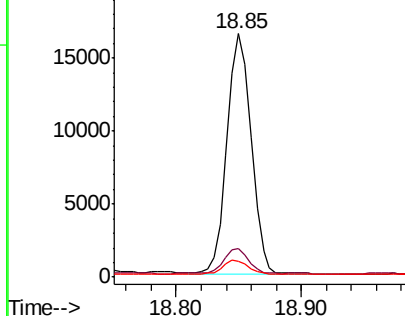
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

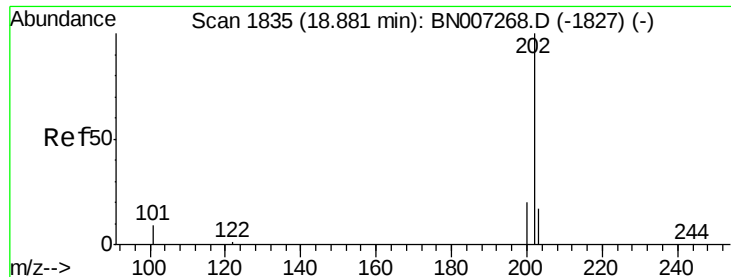


#25
 Fluoranthene-d10
 Concen: 0.239 ng
 RT: 18.85 min Scan# 1830
 Delta R.T. -0.00 min
 Lab File: BN007274.D
 Acq: 20 Aug 2019 20:51

Tgt Ion	Ratio	Lower	Upper
212	100		
106	10.2	8.2	12.4
104	6.3	4.7	7.1

Abundance Ion 212.00 (211.70 to 212.70): E
 Ion 106.00 (105.70 to 106.70): E
 Ion 104.00 (103.70 to 104.70): E





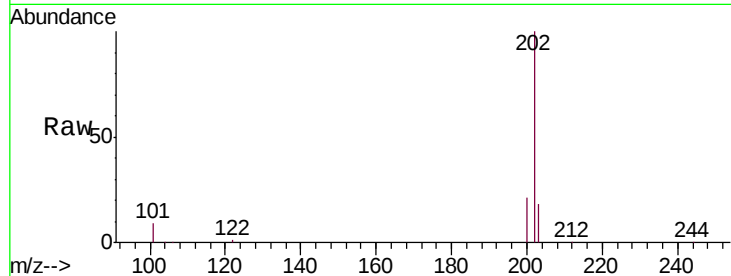
#26
Fluoranthene
Concen: 12.526 ng
RT: 18.88 min Scan# 1836
Delta R.T. -0.00 min
Lab File: BN007274.D
Acq: 20 Aug 2019 20:51

Instrument :
BNA_N
ClientSampleId :
S301-J-1.5-2.0-081919

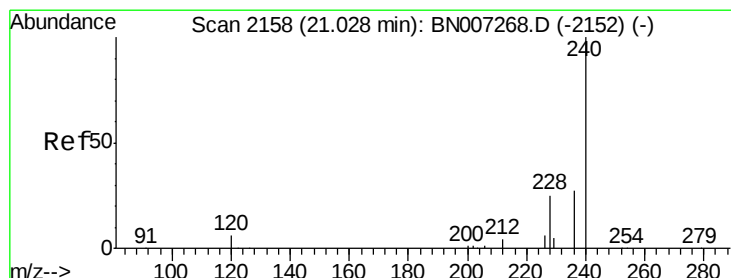
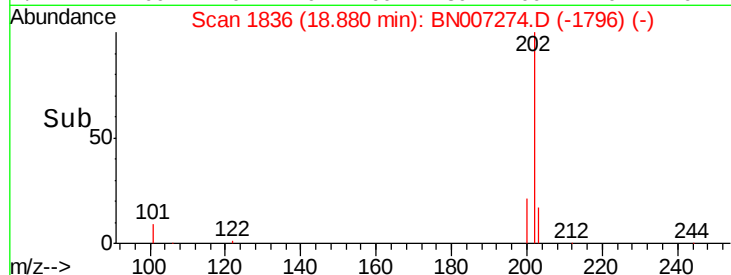
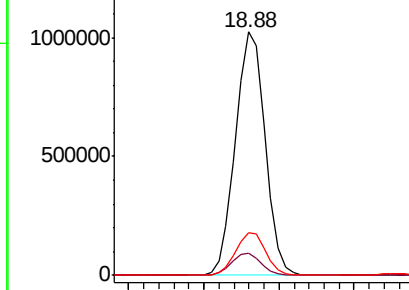
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.0	7.2	10.8
203	17.5	13.8	20.6

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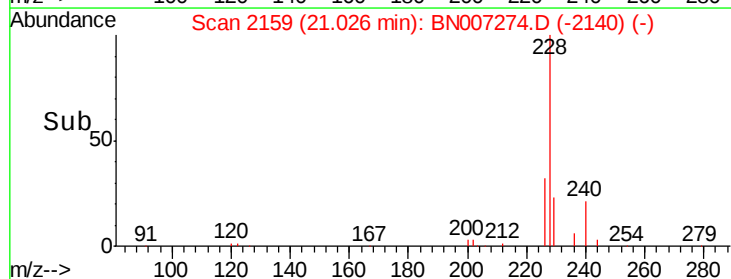
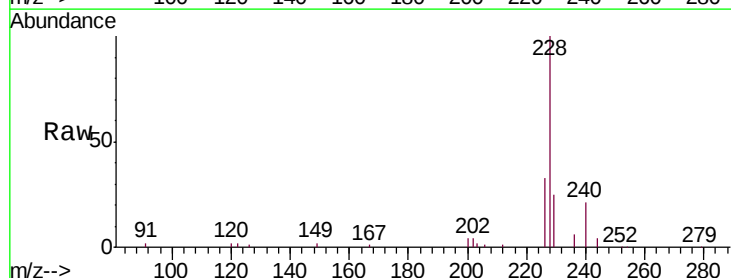
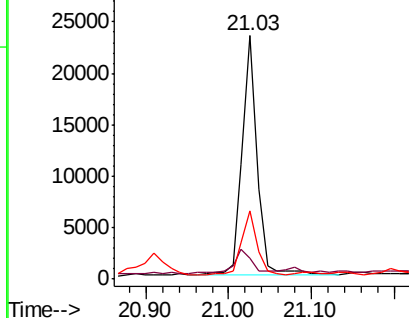
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

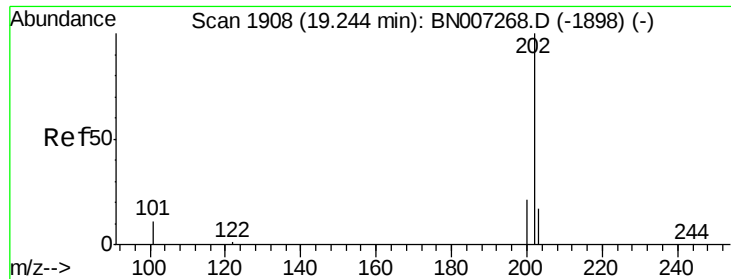


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.03 min Scan# 2159
Delta R.T. -0.00 min
Lab File: BN007274.D
Acq: 20 Aug 2019 20:51

Tgt Ion	Ratio	Lower	Upper
240	100		
120	8.4	5.6	8.4
236	28.1	21.6	32.4

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





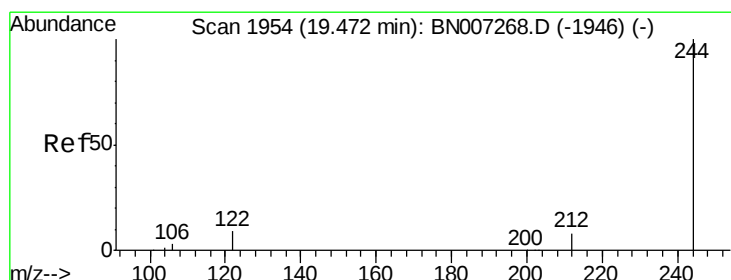
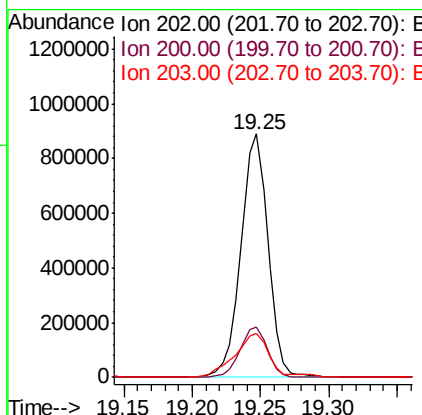
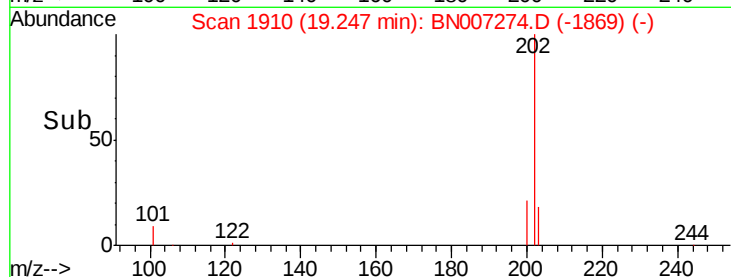
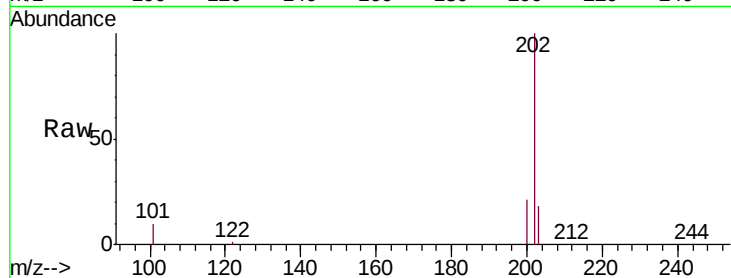
#28
Pvrene
Concen: 11.007 ng
RT: 19.25 min Scan# 1910
Delta R.T. 0.00 min
Lab File: BN007274.D
Acq: 20 Aug 2019 20:51

Instrument :
BNA_N
ClientSampleId :
S301-J-1.5-2.0-081919

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	22.1	13.9	20.9

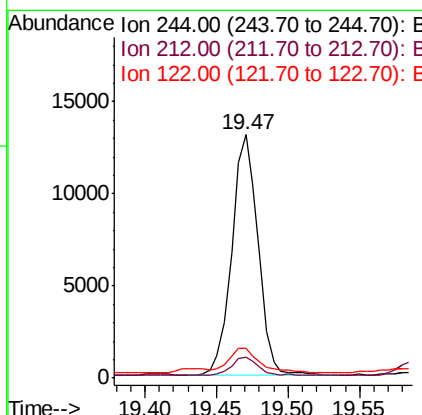
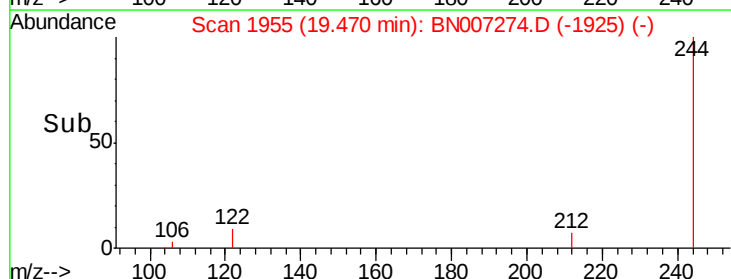
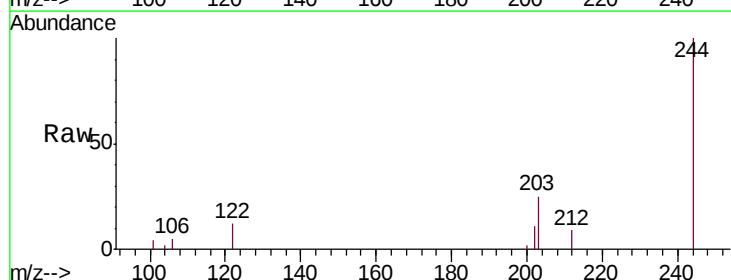
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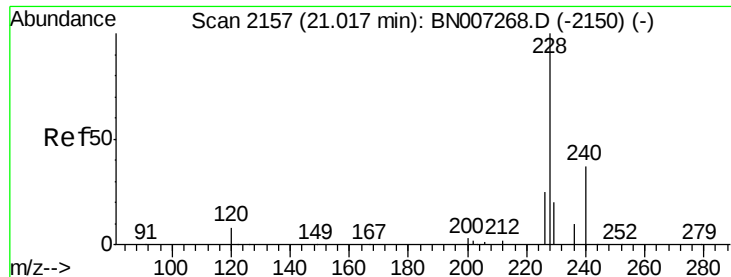
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#29
Terphenyl-d14
Concen: 0.223 ng
RT: 19.47 min Scan# 1955
Delta R.T. -0.00 min
Lab File: BN007274.D
Acq: 20 Aug 2019 20:51

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.7	6.5	9.7
122	12.0	7.9	11.9





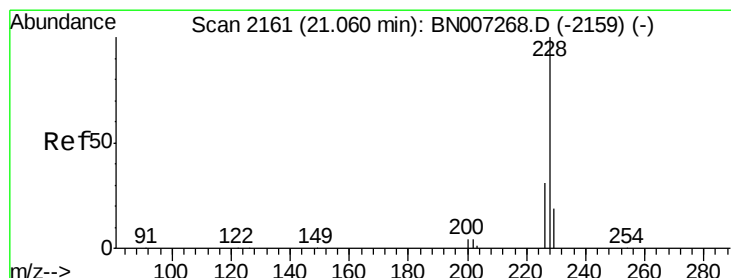
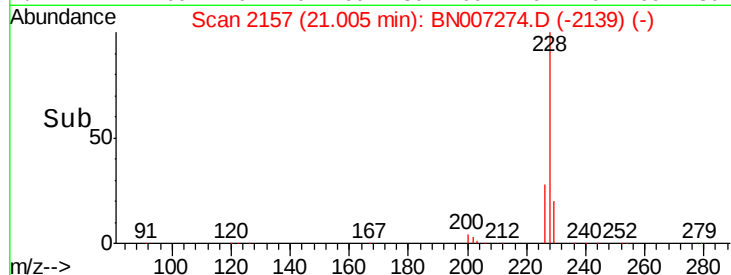
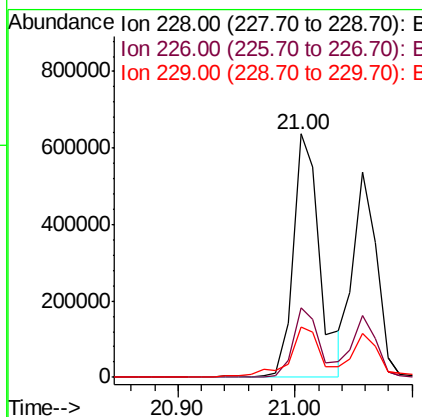
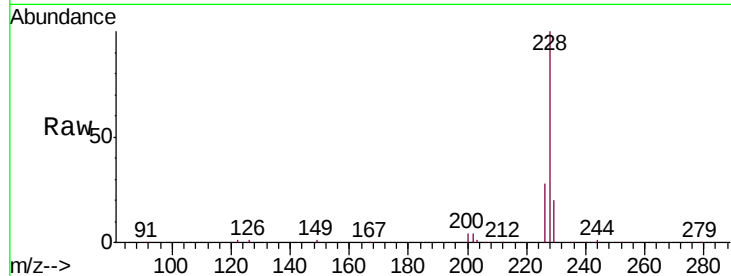
#30
Benzo(a)anthracene
Concen: 9.065 ng
RT: 21.00 min Scan# 2157
Delta R.T. -0.01 min
Lab File: BN007274.D
Acq: 20 Aug 2019 20:51

Instrument :
BNA_N
ClientSampleId :
S301-J-1.5-2.0-081919

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	20.6	30.8
229	20.4	16.9	25.3

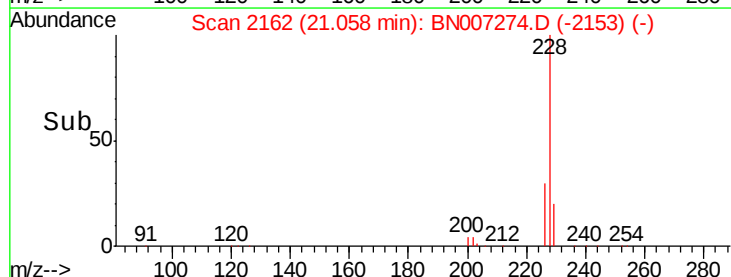
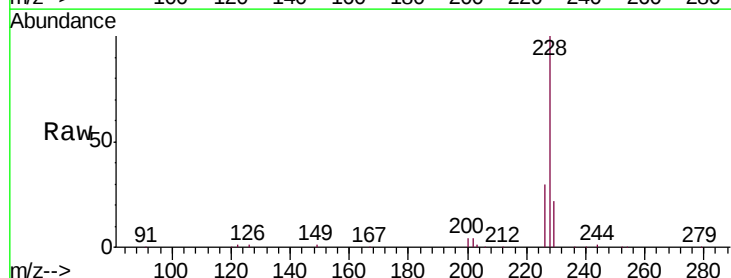
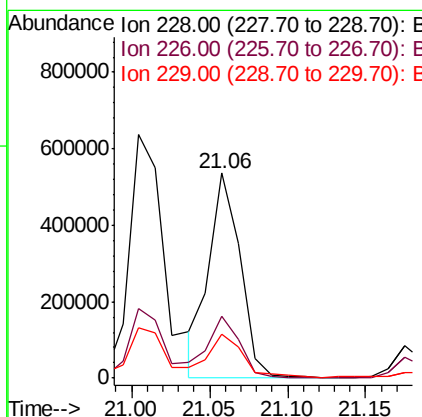
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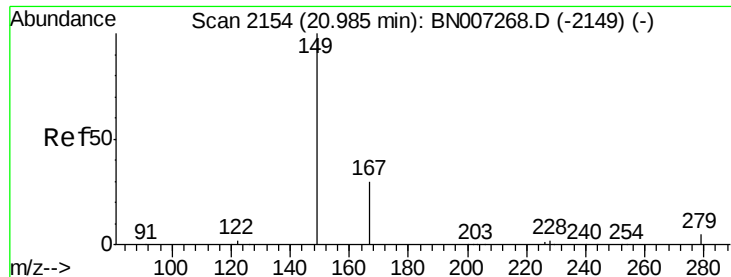
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#31
Chrysene
Concen: 6.549 ng
RT: 21.06 min Scan# 2162
Delta R.T. -0.00 min
Lab File: BN007274.D
Acq: 20 Aug 2019 20:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.6	36.8
229	21.6	15.6	23.4





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.785 ng

RT: 20.98 min Scan# 2155

Delta R.T. -0.00 min

Lab File: BN007274.D

Acq: 20 Aug 2019 20:51

Instrument :

BNA_N

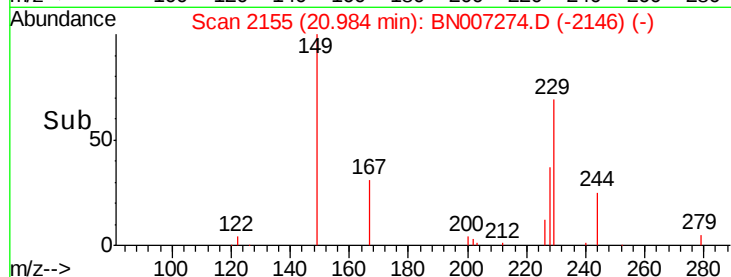
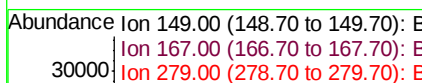
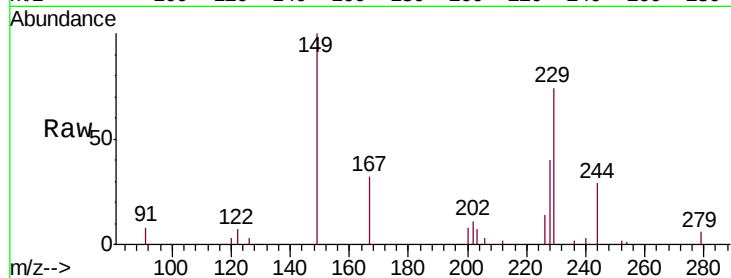
ClientSampleId :

S301-J-1.5-2.0-081919

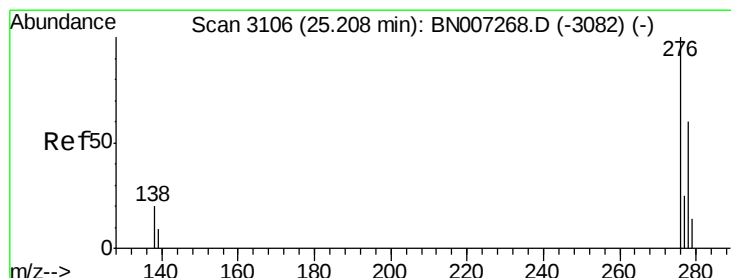
Tot Ion:	149	Resp:	34796
Ion Ratio	Lower	Upper	
149	100		
167	26.9	23.8	35.6
279	4.5	3.8	5.8

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Time-->



#33

Indeno(1,2,3-cd)pyrene

Concen: 3.977 ng

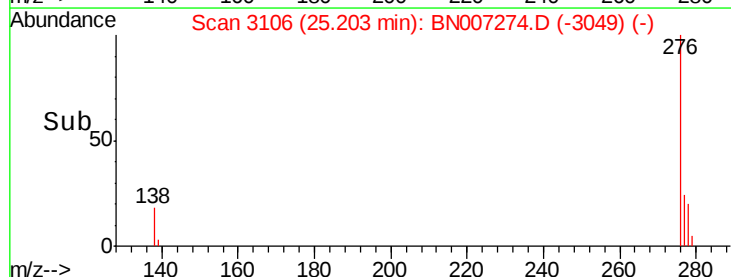
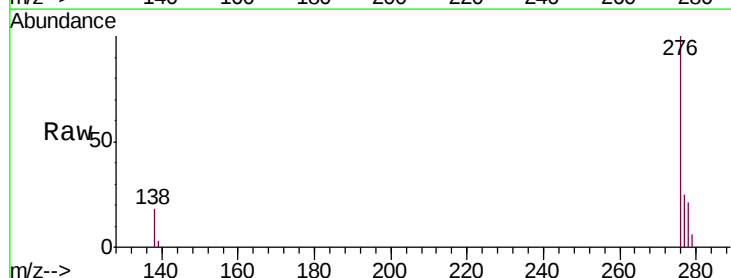
RT: 25.20 min Scan# 3106

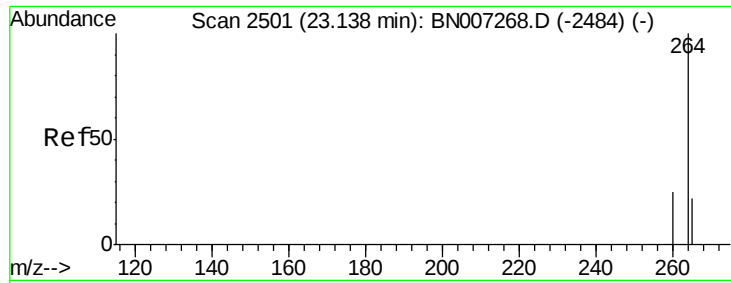
Delta R.T. -0.01 min

Lab File: BN007274.D

Acq: 20 Aug 2019 20:51

Tgt Ion:	276	Resp:	541592
Ion Ratio	Lower	Upper	
276	100		
138	17.9	17.1	25.7
277	24.4	20.1	30.1





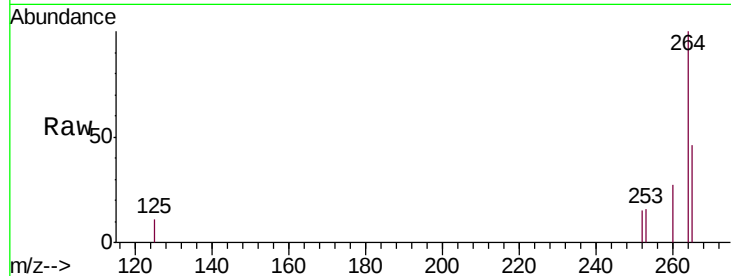
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.14 min Scan# 2502
 Delta R.T. -0.00 min
 Lab File: BN007274.D
 Acq: 20 Aug 2019 20:51

Instrument :
 BNA_N
 ClientSampleId :
 S301-J-1.5-2.0-081919

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.6	20.1	30.1
265	46.3	29.0	43.6

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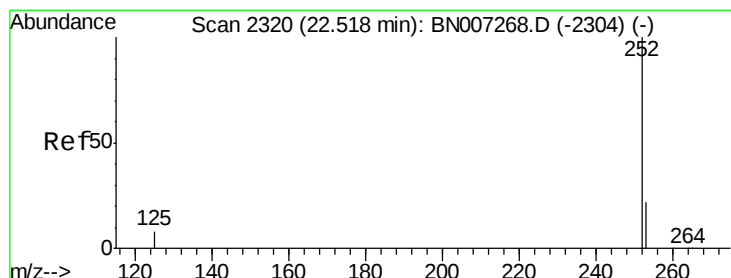
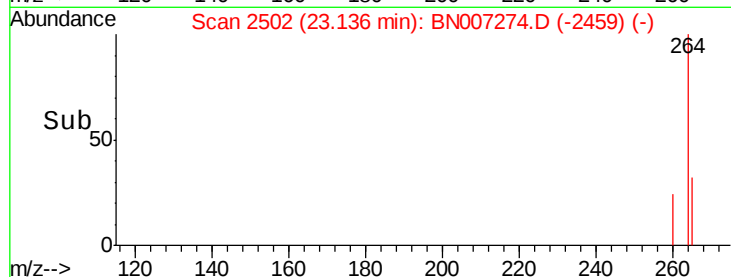
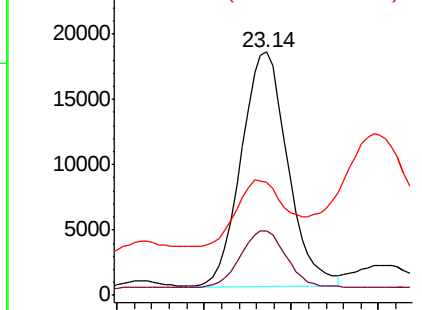


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#35
 Benzo(b)fluoranthene
 Concen: 9.081 ng
 RT: 22.52 min Scan# 2321
 Delta R.T. -0.00 min
 Lab File: BN007274.D
 Acq: 20 Aug 2019 20:51

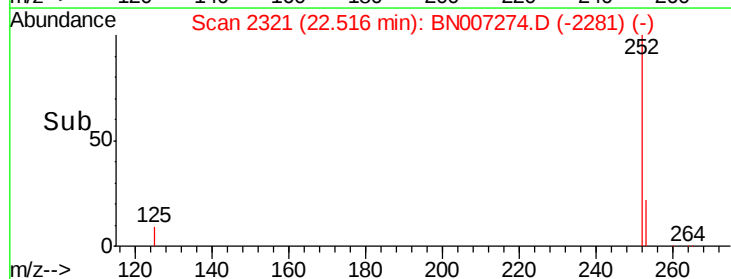
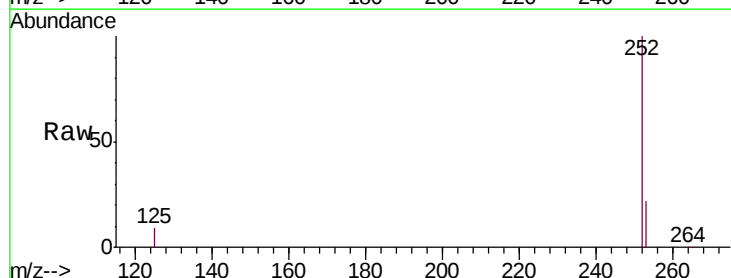
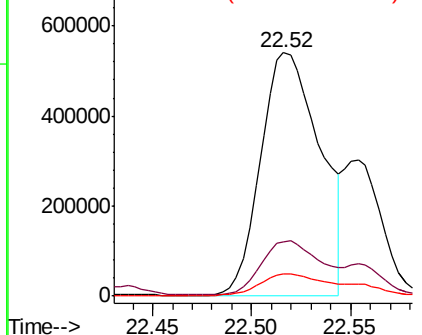
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.5	27.7
125	8.9	7.8	11.6

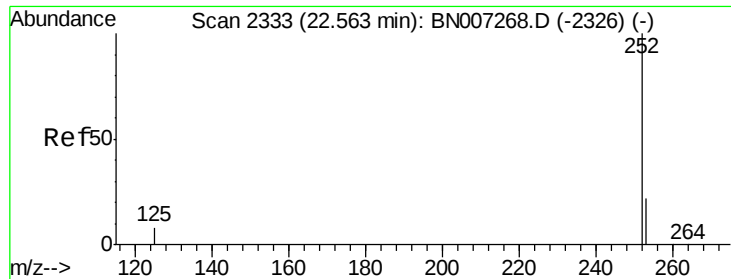
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





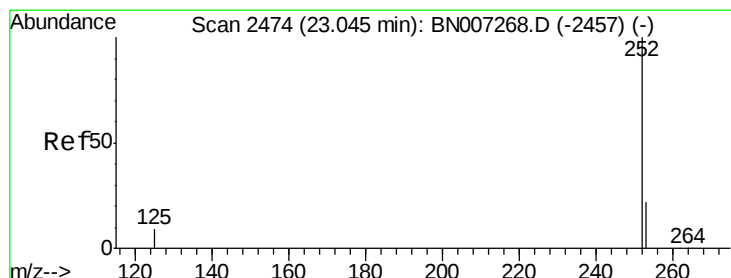
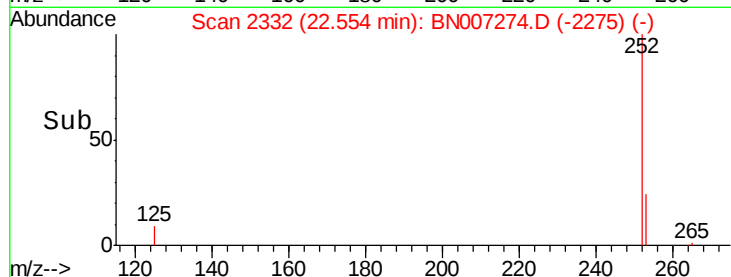
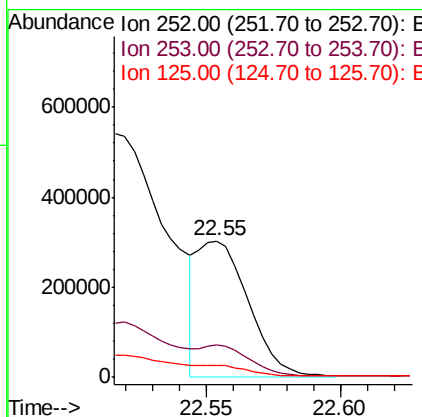
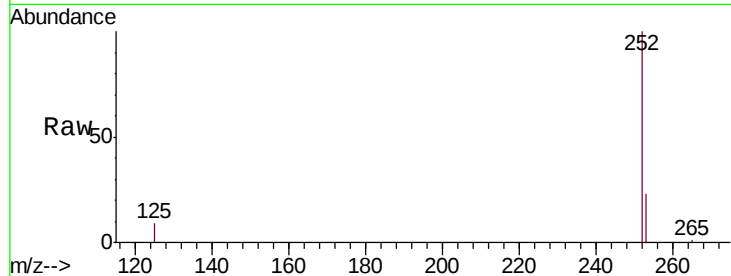
#36
Benzo(k)fluoranthene
Concen: 3.330 ng m
RT: 22.55 min Scan# 2332
Delta R.T. -0.01 min
Lab File: BN007274.D
Acq: 20 Aug 2019 20:51

Instrument :
BNA_N
ClientSampleId :
S301-J-1.5-2.0-081919

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.4	27.6
125	8.9	8.0	12.0

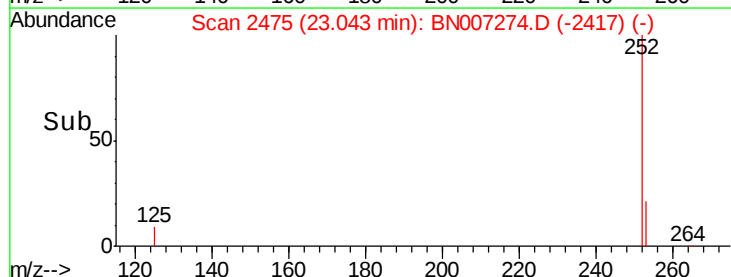
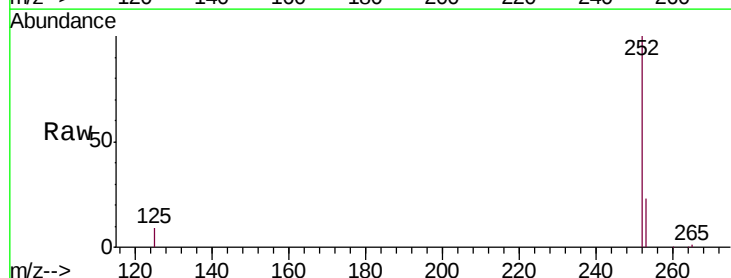
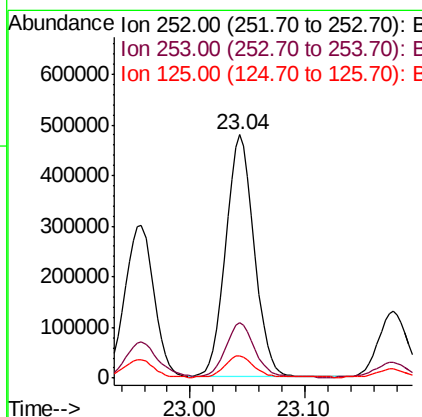
Manual Integrations
APPROVED

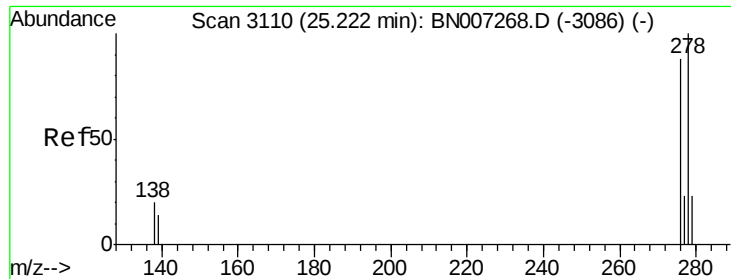
Jagrut
8/21/2019 4:06:50 PM



#37
Benzo(a)pyrene
Concen: 7.436 ng
RT: 23.04 min Scan# 2475
Delta R.T. -0.00 min
Lab File: BN007274.D
Acq: 20 Aug 2019 20:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.7	28.1
125	9.2	8.7	13.1





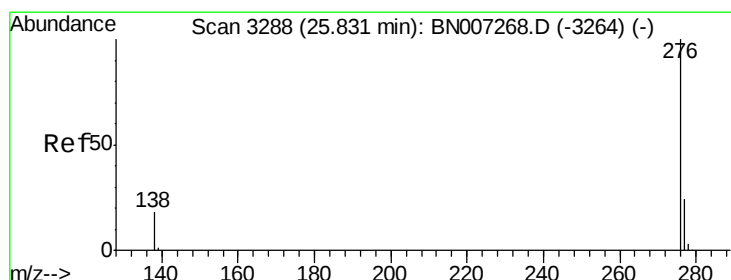
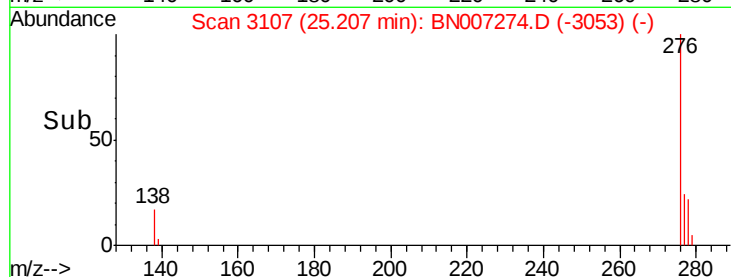
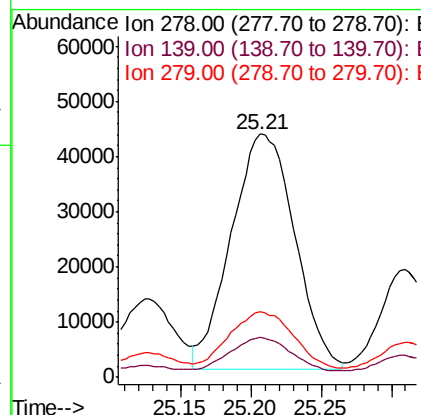
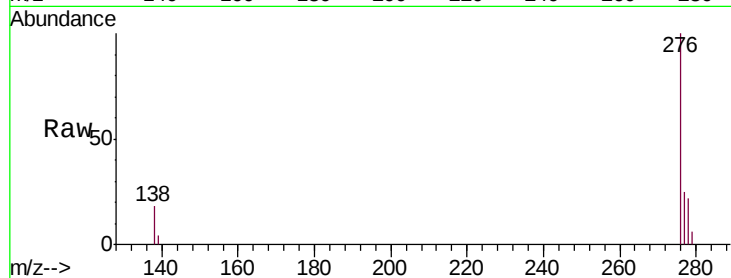
#38
Dibenzo(a,h)anthracene
Concen: 1.146 ng
RT: 25.21 min Scan# 3107
Delta R.T. -0.02 min
Lab File: BN007274.D
Acq: 20 Aug 2019 20:51

Instrument :
BNA_N
ClientSampleId :
S301-J-1.5-2.0-081919

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.2	11.8	17.8
279	26.7	19.8	29.6

Manual Integrations
APPROVED

Jagrut
8/21/2019 4:06:50 PM



#39
Benzo(g,h,i)perylene
Concen: 4.329 ng
RT: 25.83 min Scan# 3289
Delta R.T. -0.00 min
Lab File: BN007274.D
Acq: 20 Aug 2019 20:51

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.5	29.3
138	18.4	15.3	22.9

