

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082019\
 Data File : BN007280.D
 Acq On : 21 Aug 2019 05:27
 Operator : HP/JU
 Sample : K4282-06
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-035-B241-080819

Manual Integrations
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Quant Time: Aug 21 08:47:13 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	5889	0.40	ng	0.00
7) Naphthalene-d8	10.16	136	22018	0.40	ng	0.00
13) Acenaphthene-d10	14.05	164	13069	0.40	ng	0.00
19) Phenanthrene-d10	16.80	188	30507	0.40	ng	-0.01
27) Chrysene-d12	21.03	240	31638	0.40	ng	0.00
34) Perylene-d12	23.13	264	35714	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.04	112	6148	0.34	ng	0.00
5) Phenol-d6	6.60	99	8153	0.39	ng	0.00
8) Nitrobenzene-d5	8.54	82	6022	0.36	ng	0.00
11) 2-Methylnaphthalene-d10	11.77	152	12860	0.34	ng	0.00
14) 2,4,6-Tribromophenol	15.56	330	1977	0.27	ng	0.00
15) 2-Fluorobiphenyl	12.67	172	17166	0.31	ng	0.00
25) Fluoranthene-d10	18.85	212	24547	0.25	ng	0.00
29) Terphenyl-d14	19.47	244	19344	0.24	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.22	128	1882	0.030	ng	# 85
12) 2-Methylnaphthalene	11.85	142	1112	0.026	ng	# 91
16) Acenaphthylene	13.77	152	3773	0.054	ng	97
23) Phenanthrene	16.84	178	21025	0.220	ng	100
24) Anthracene	16.94	178	2333	0.027	ng	# 85
26) Fluoranthene	18.88	202	40926	0.353	ng	98
28) Pyrene	19.24	202	40460	0.342	ng	98
30) Benzo(a)anthracene	21.01	228	22029	0.187	ng	# 84
31) Chrysene	21.06	228	33746	0.281	ng	# 91
32) Bis(2-ethylhexyl)phthalate	20.97	149	7756	0.165	ng	98
33) Indeno(1,2,3-cd)pyrene	25.20	276	15122	0.105	ng	99
35) Benzo(b)fluoranthene	22.52	252	32104	0.241	ng	# 94
36) Benzo(k)fluoranthene	22.55	252	10454m	0.080	ng	
37) Benzo(a)pyrene	23.05	252	19146	0.160	ng	# 90
38) Dibenzo(a,h)anthracene	25.21	278	4524	0.036	ng	# 34
39) Benzo(g,h,i)perylene	25.83	276	15701	0.123	ng	93

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

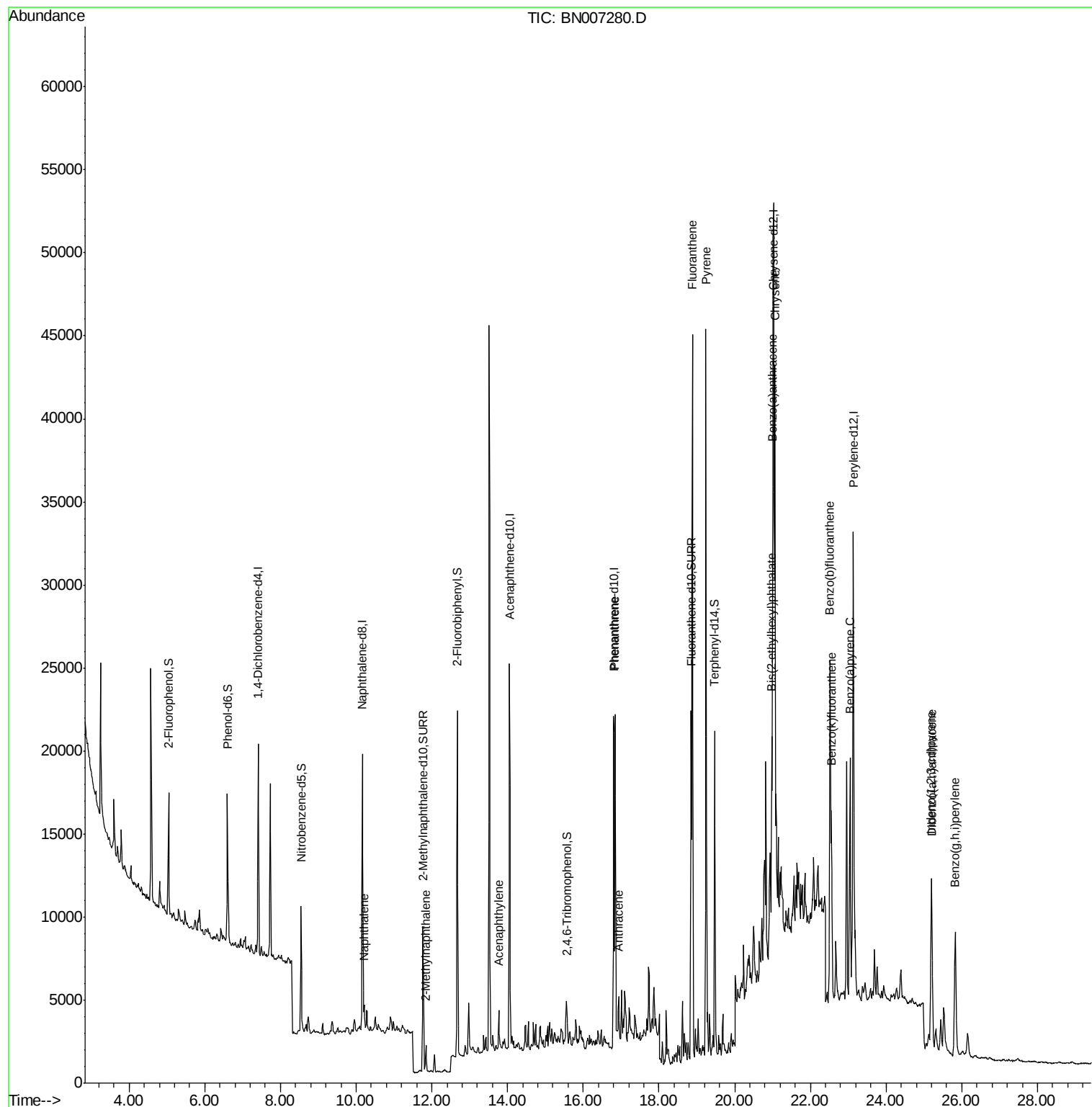
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082019\
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#1

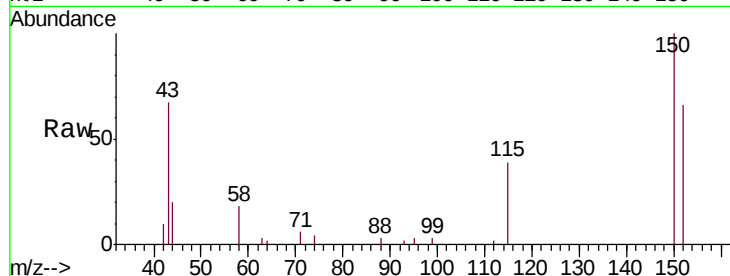
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.41 min Scan# 569
Delta R.T. 0.00 min
Lab File: BN007280.D
Acq: 21 Aug 2019 05:27

Instrument :
BNA_N
ClientSampleId :
PST-035-B241-080819

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.0	123.8	185.8
115	58.6	47.3	70.9

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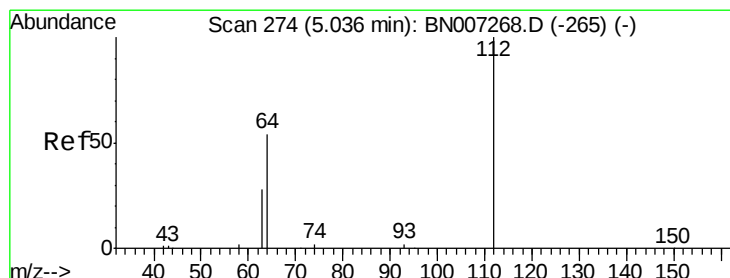
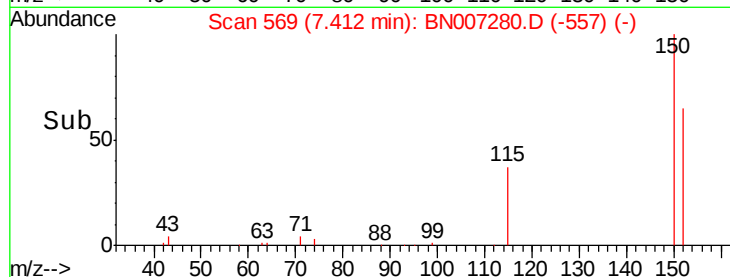
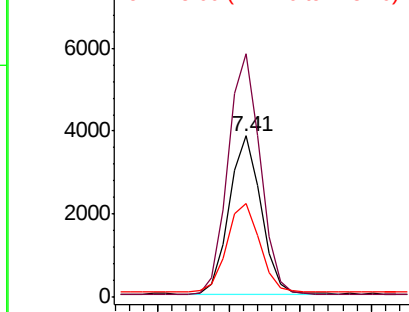


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

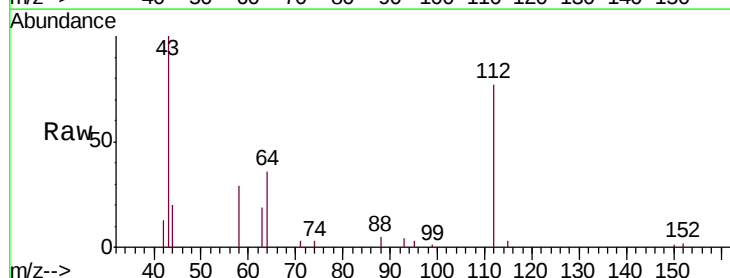
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.343 ng
RT: 5.04 min Scan# 275
Delta R.T. 0.01 min
Lab File: BN007280.D
Acq: 21 Aug 2019 05:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.9	41.8	62.8
63	27.7	22.6	34.0

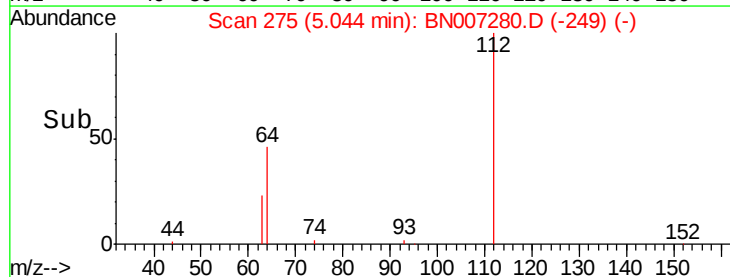
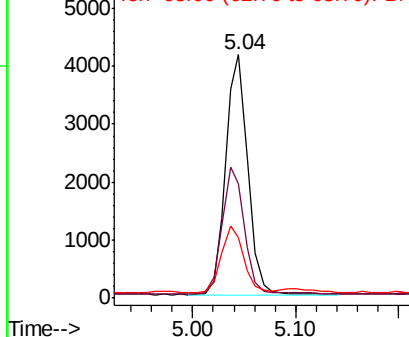


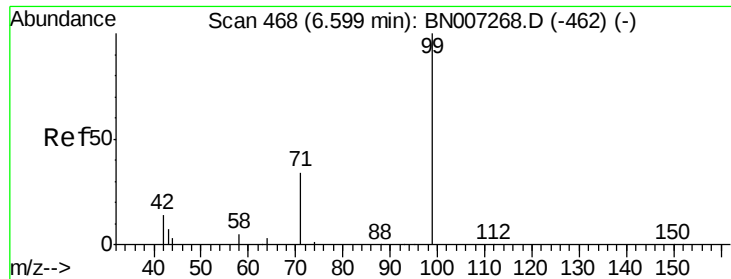
Abundance

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: 0.394 ng

RT: 6.60 min Scan# 468

Delta R.T. 0.00 min

Lab File: BN007280.D

Acq: 21 Aug 2019 05:27

Instrument :

BNA_N

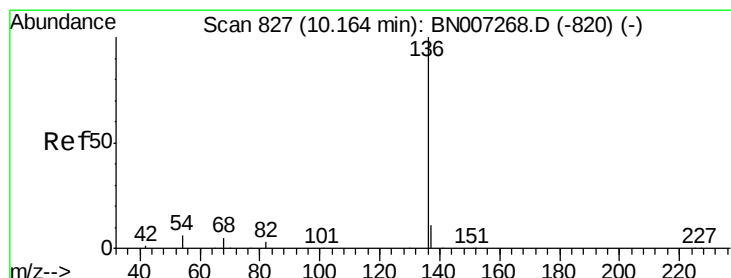
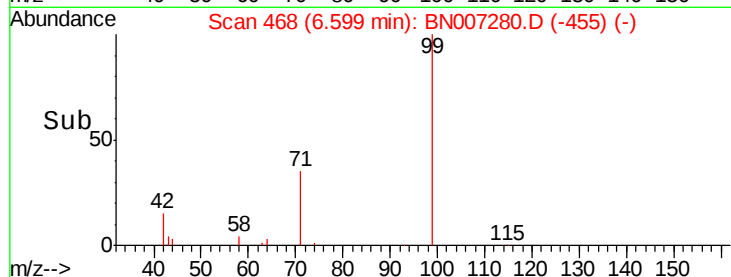
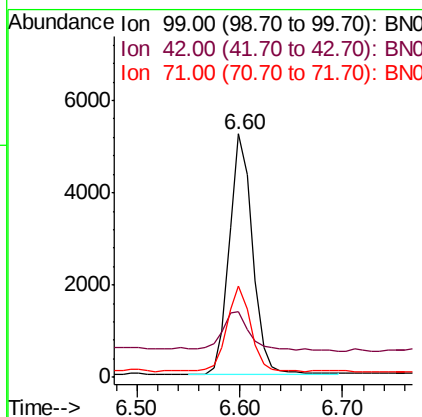
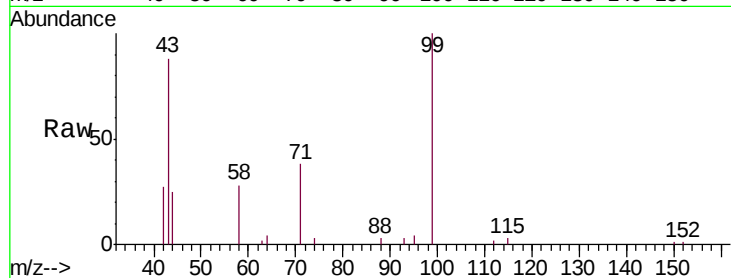
ClientSampleId :

PST-035-B241-080819

Tot Ion:	99	Resp:	8153
Ion	Ratio	Lower	Upper
99	100		
42	20.3	14.3	21.5
71	36.7	27.3	40.9

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#7

Naphthalene-d8

Concen: 0.400 ng

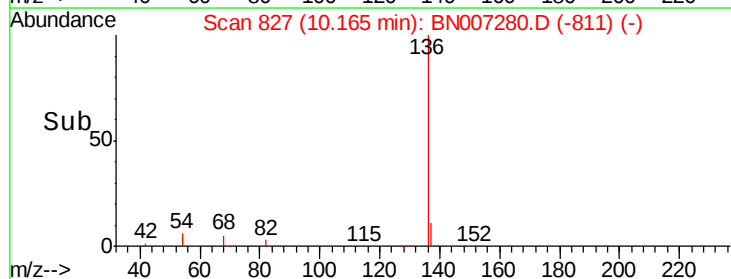
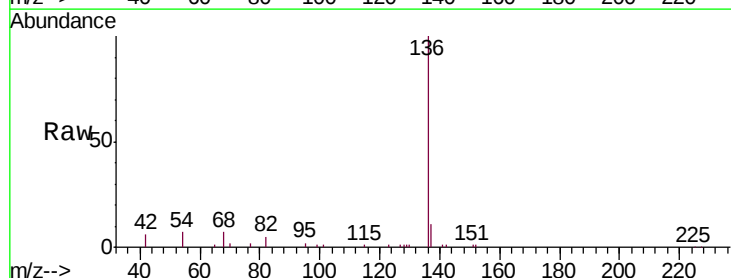
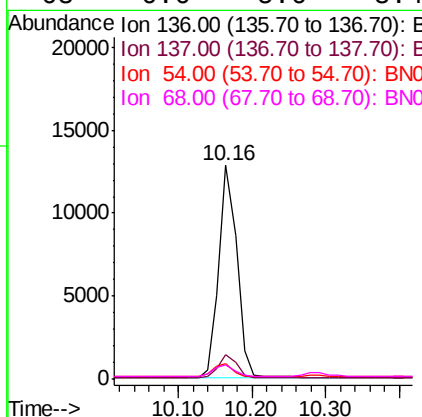
RT: 10.16 min Scan# 827

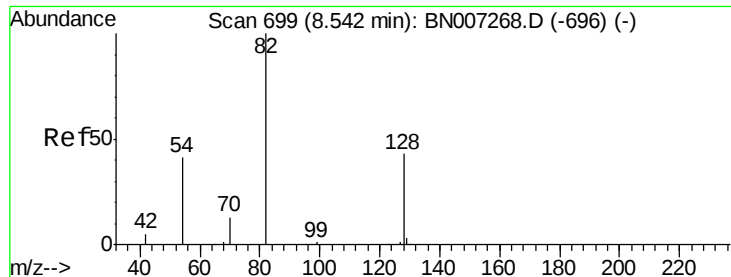
Delta R.T. 0.00 min

Lab File: BN007280.D

Acq: 21 Aug 2019 05:27

Tgt Ion:	136	Resp:	22018
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.1	13.7
54	7.3	5.9	8.9
68	6.6	5.6	8.4





#8

Nitrobenzene-d5

Concen: 0.356 ng

RT: 8.54 min Scan# 699

Delta R.T. 0.00 min

Lab File: BN007280.D

Acq: 21 Aug 2019 05:27

Instrument :

BNA_N

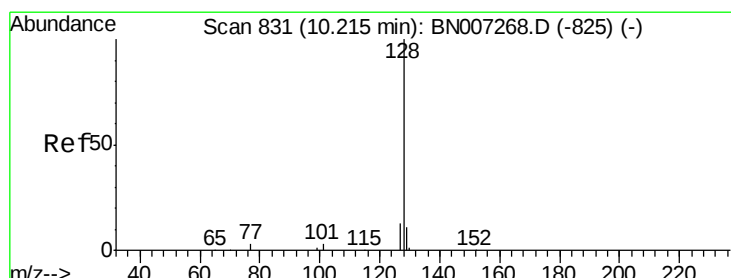
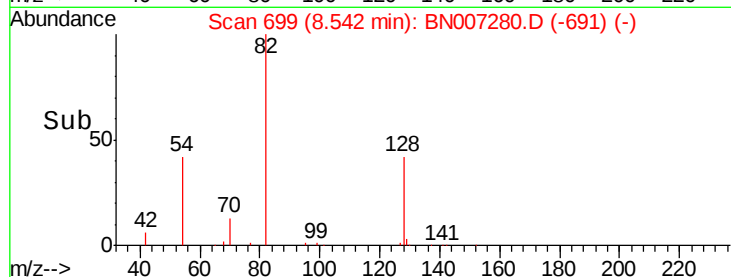
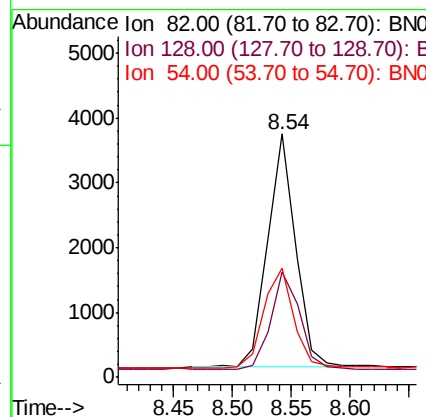
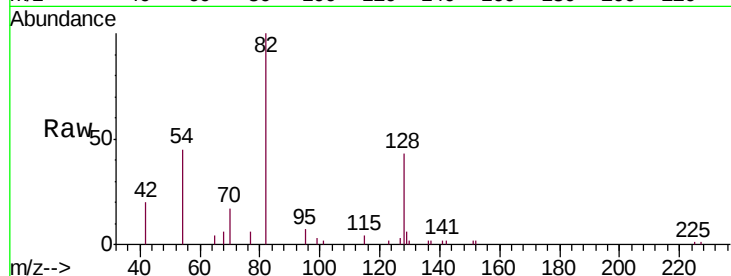
ClientSampleId :

PST-035-B241-080819

Tot Ion:	82	Resp:	6022
Ion Ratio	Lower	Upper	
82	100		
128	43.5	35.8	53.6
54	44.8	34.7	52.1

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#9

Naphthalene

Concen: 0.030 ng

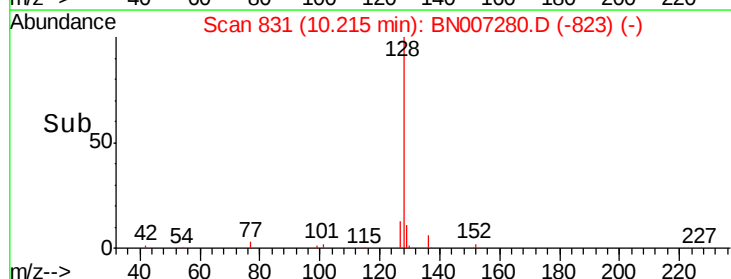
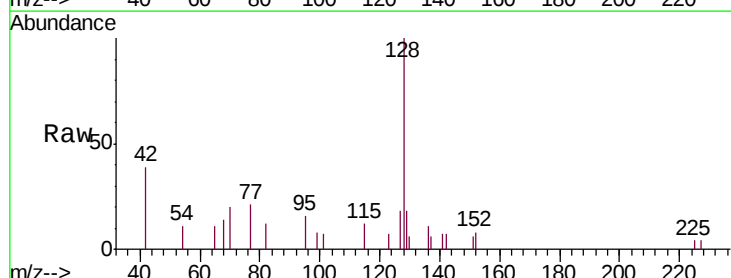
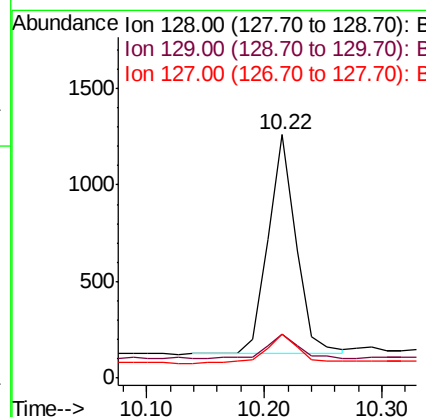
RT: 10.22 min Scan# 831

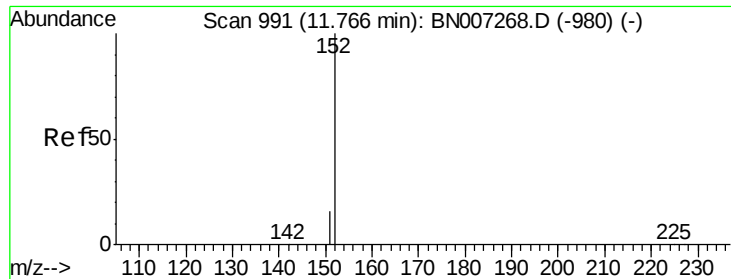
Delta R.T. 0.00 min

Lab File: BN007280.D

Acq: 21 Aug 2019 05:27

Tgt Ion:	128	Resp:	1882
Ion Ratio	Lower	Upper	
128	100		
129	18.2	9.1	13.7#
127	18.0	10.6	16.0#





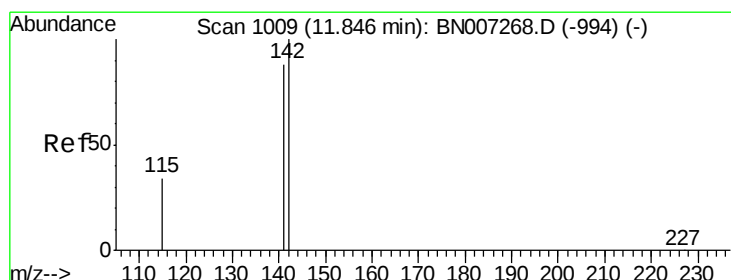
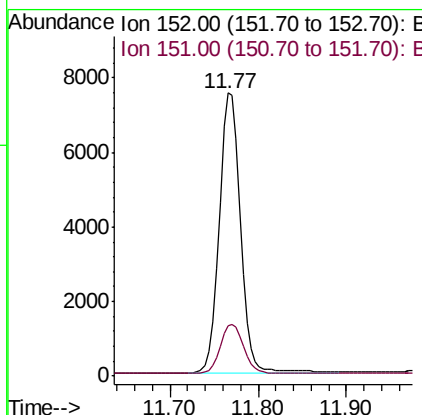
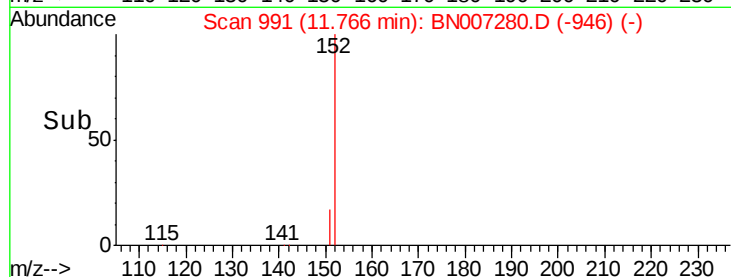
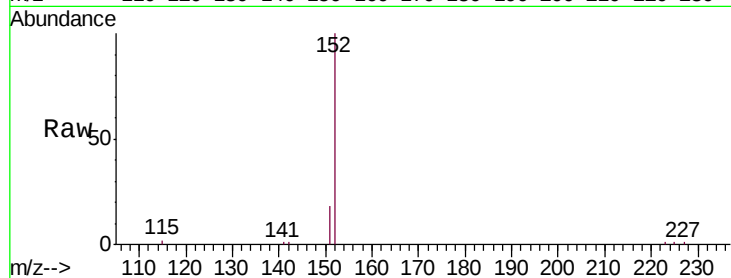
#11
2-Methylnaphthalene-d10
Concen: 0.338 ng
RT: 11.77 min Scan# 991
Delta R.T. 0.00 min
Lab File: BN007280.D
Acq: 21 Aug 2019 05:27

Instrument :
BNA_N
ClientSampleId :
PST-035-B241-080819

Tot Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.2	22.8

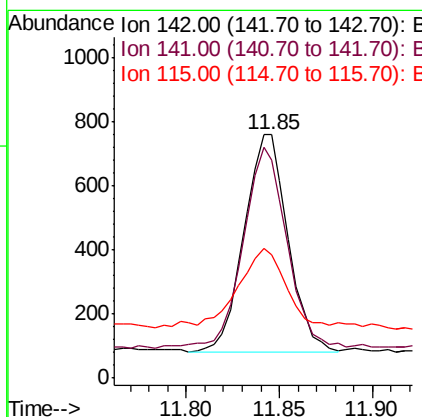
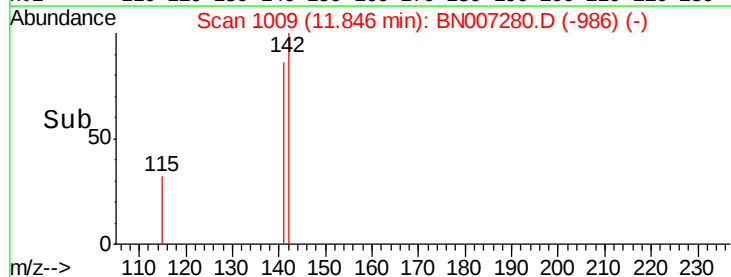
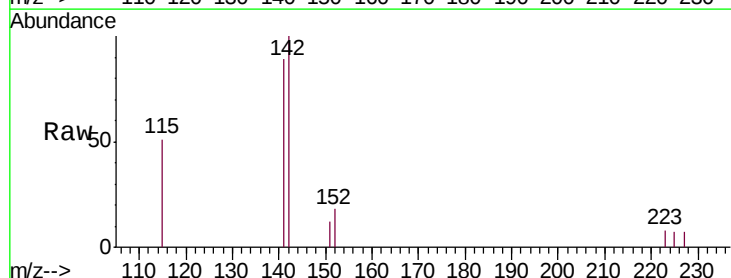
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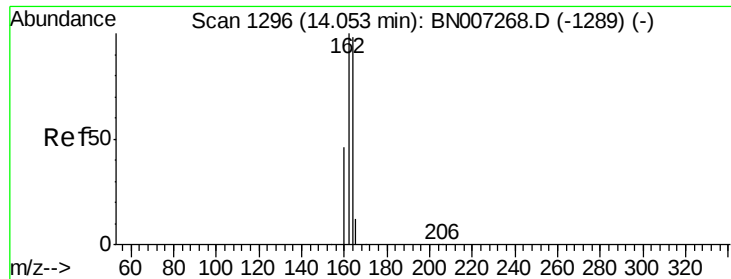
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#12
2-Methylnaphthalene
Concen: 0.026 ng
RT: 11.85 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BN007280.D
Acq: 21 Aug 2019 05:27

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.5	70.7	106.1
115	50.9	28.1	42.1#





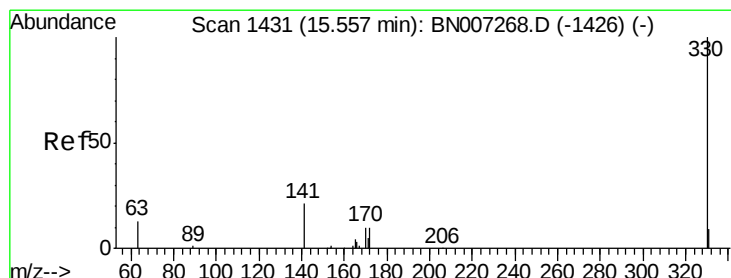
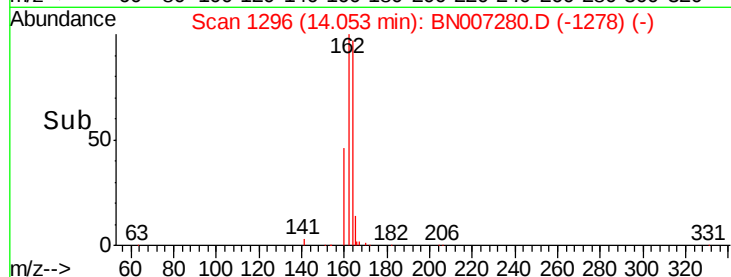
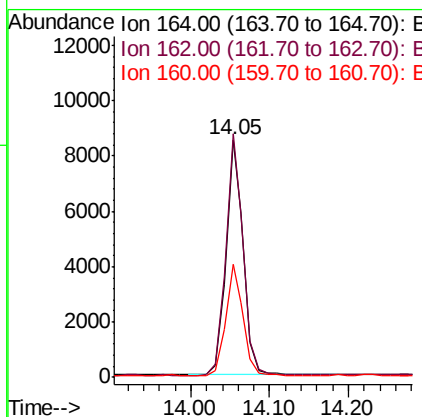
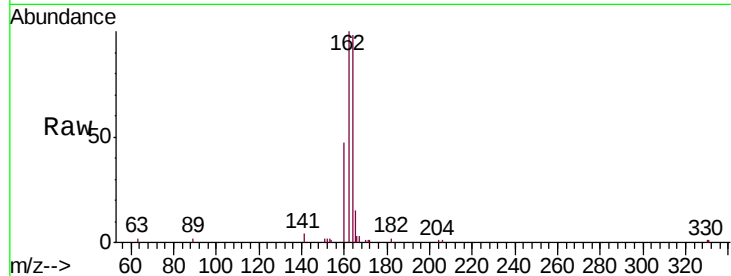
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.05 min Scan# 1296
Delta R.T. 0.00 min
Lab File: BN007280.D
Acq: 21 Aug 2019 05:27

Instrument :
BNA_N
ClientSampleId :
PST-035-B241-080819

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.4	82.0	123.0
160	47.6	38.2	57.4

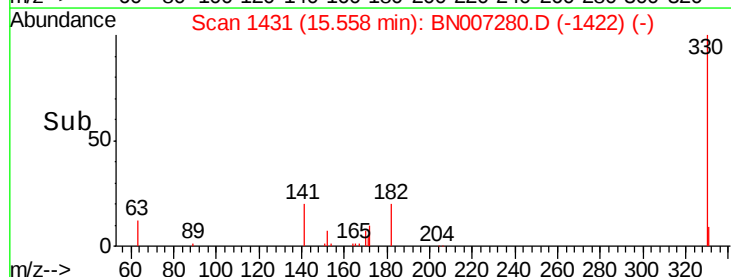
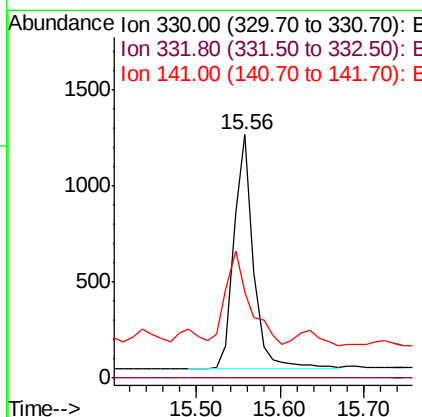
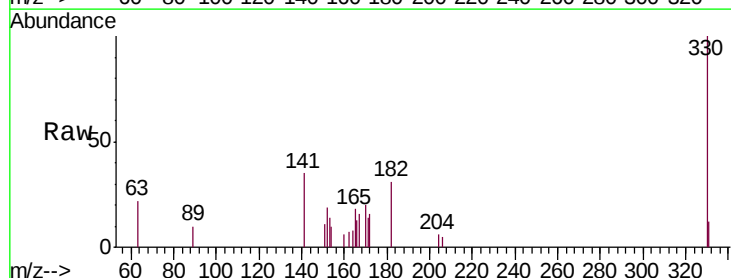
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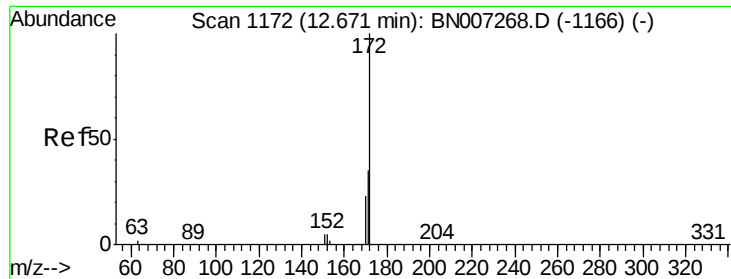
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#14
2,4,6-Tribromophenol
Concen: 0.269 ng
RT: 15.56 min Scan# 1431
Delta R.T. 0.00 min
Lab File: BN007280.D
Acq: 21 Aug 2019 05:27

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	46.7	30.3	45.5#





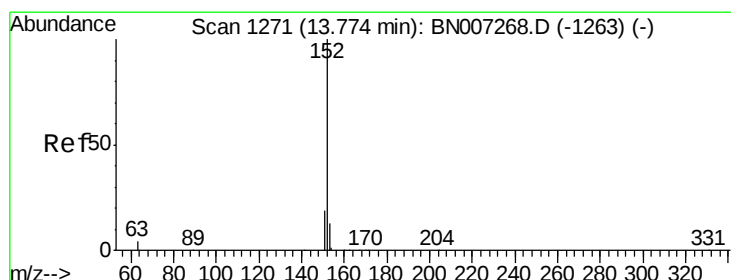
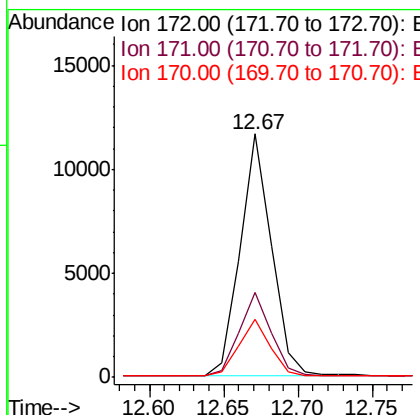
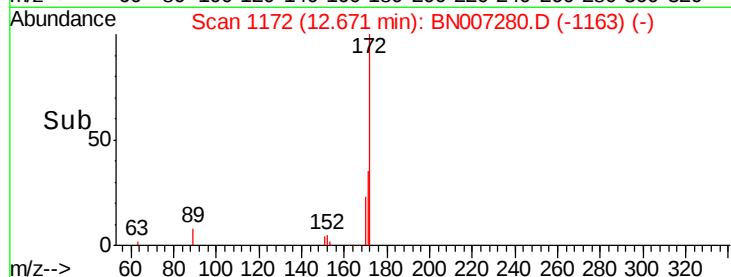
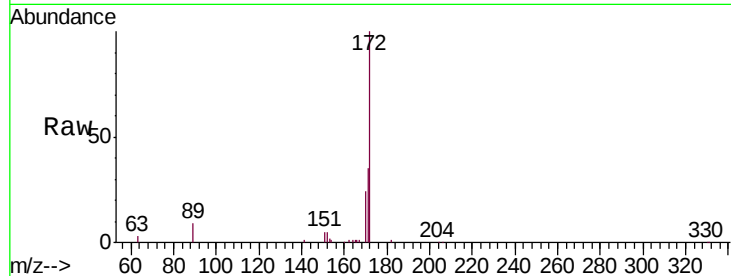
#15
2-Fluorobiphenyl
Concen: 0.306 ng
RT: 12.67 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN007280.D
Acq: 21 Aug 2019 05:27

Instrument :
BNA_N
ClientSampleId :
PST-035-B241-080819

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.6	43.0
170	23.6	18.7	28.1

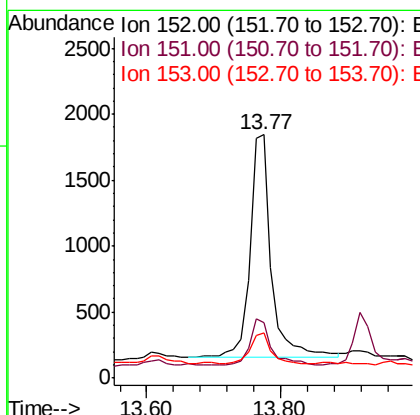
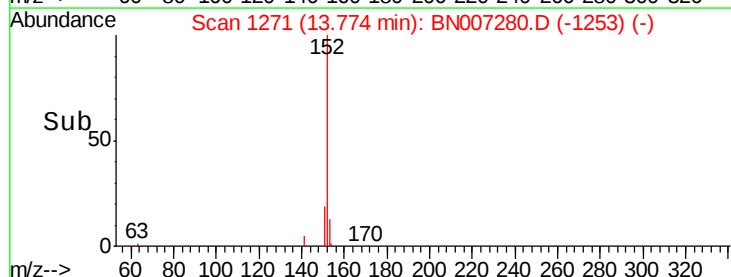
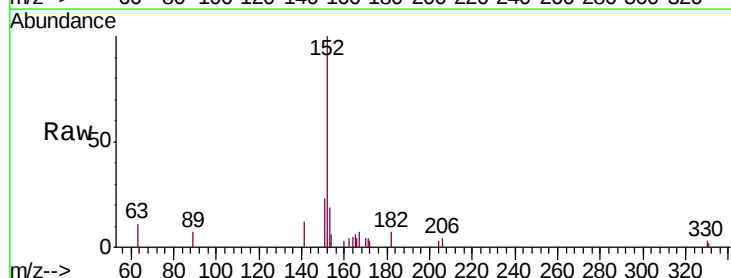
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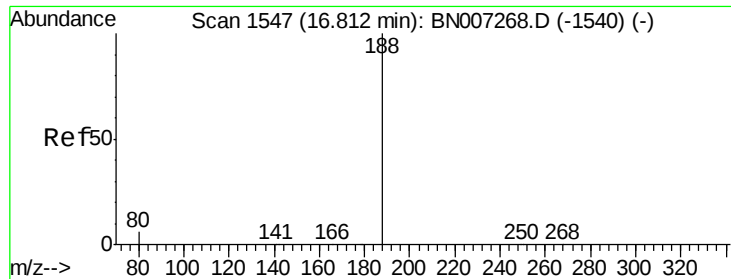
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#16
Acenaphthylene
Concen: 0.054 ng
RT: 13.77 min Scan# 1271
Delta R.T. 0.00 min
Lab File: BN007280.D
Acq: 21 Aug 2019 05:27

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.0	15.4	23.2
153	13.8	10.1	15.1





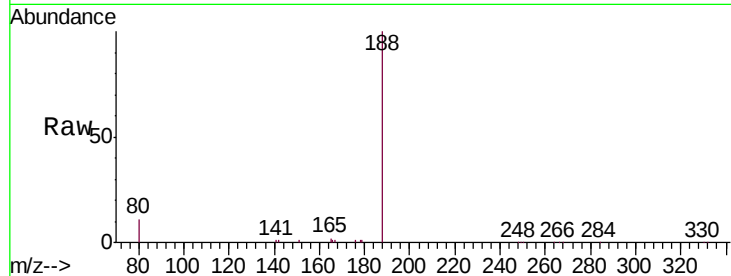
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.80 min Scan# 1546
Delta R.T. -0.01 min
Lab File: BN007280.D
Acq: 21 Aug 2019 05:27

Instrument :
BNA_N
ClientSampleId :
PST-035-B241-080819

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.7	5.2	7.8#

Manual Integrations
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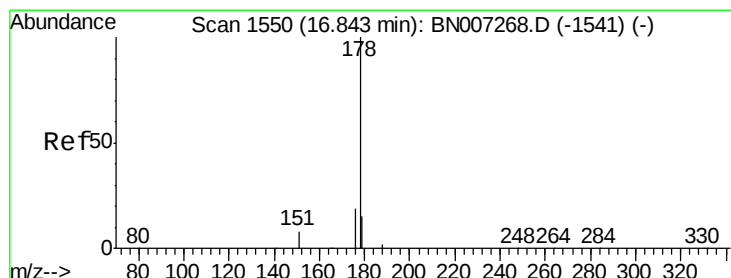
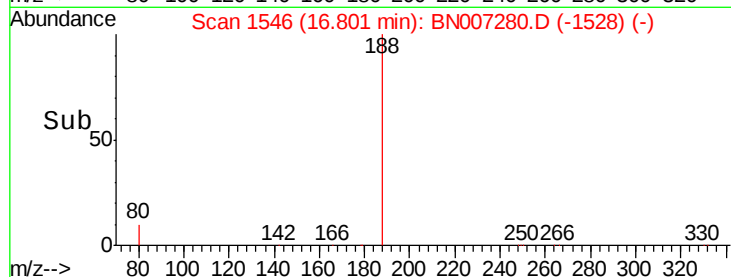
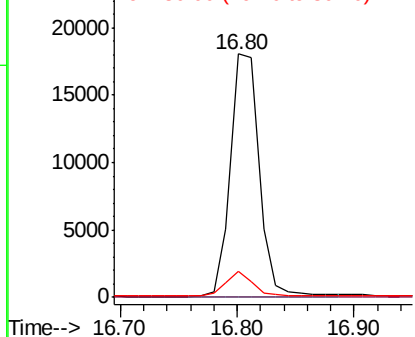


Abundance

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: 0.220 ng
RT: 16.84 min Scan# 1550
Delta R.T. 0.00 min
Lab File: BN007280.D
Acq: 21 Aug 2019 05:27

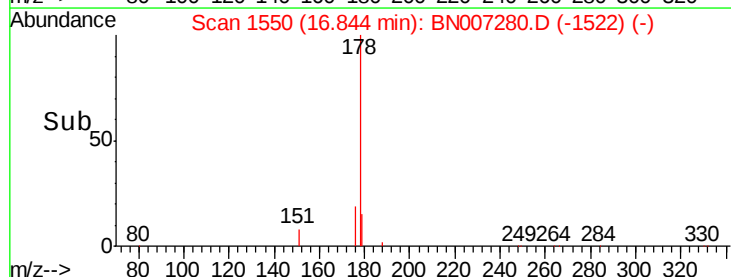
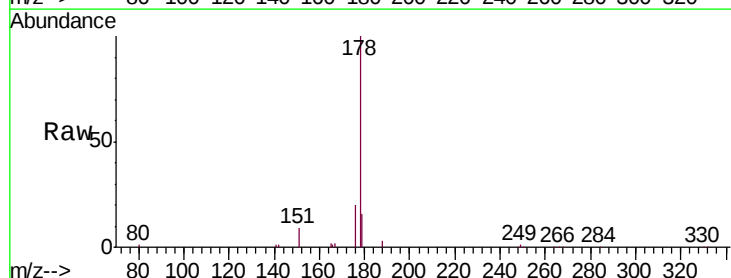
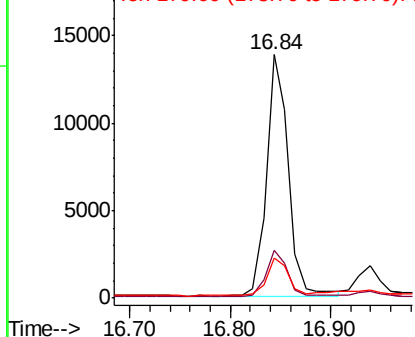
Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.8	15.2	22.8
179	15.6	12.3	18.5

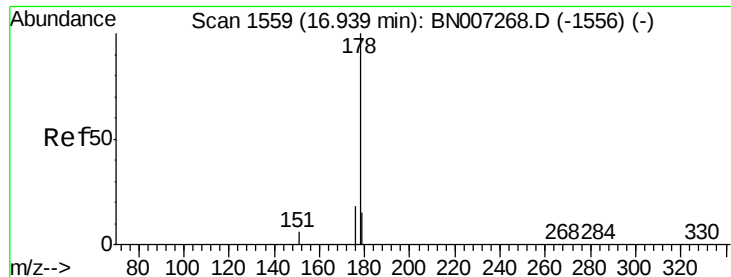
Abundance

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





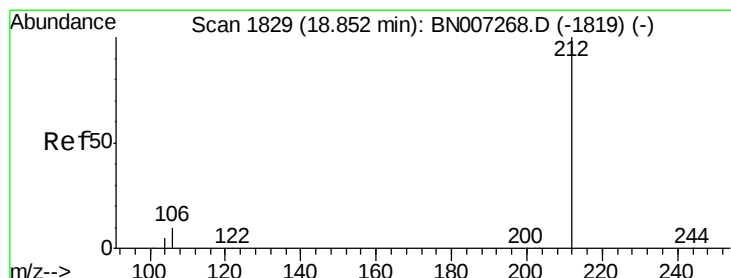
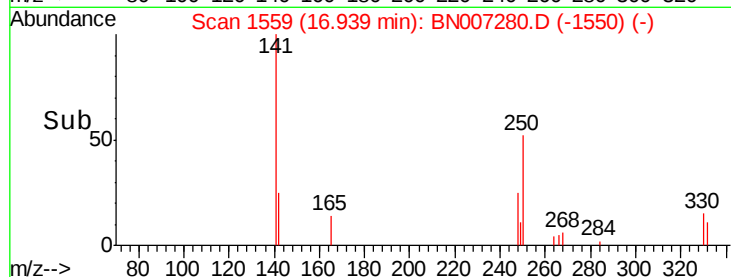
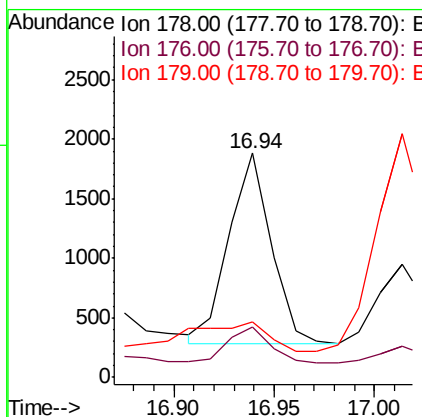
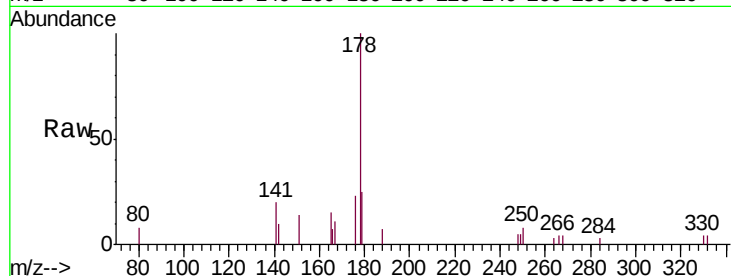
#24
 Anthracene
 Concen: 0.027 ng
 RT: 16.94 min Scan# 1559
 Delta R.T. 0.00 min
 Lab File: BN007280.D
 Acq: 21 Aug 2019 05:27

Instrument :
 BNA_N
 ClientSampleId :
 PST-035-B241-080819

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.3	21.5
179	28.0	12.3	18.5

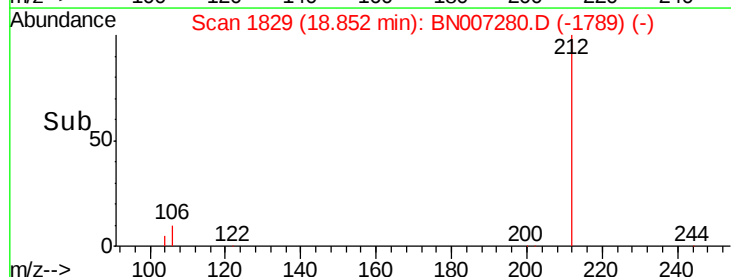
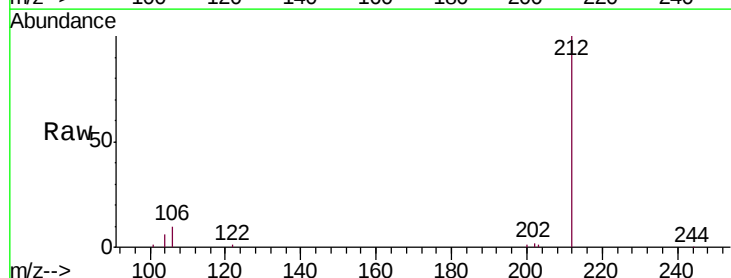
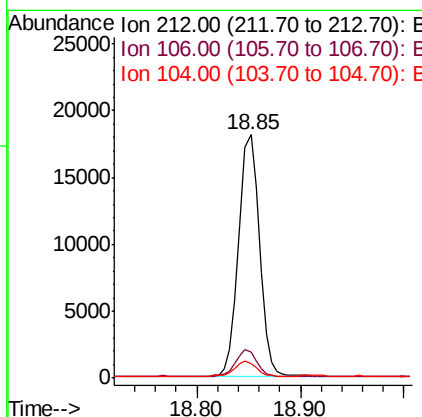
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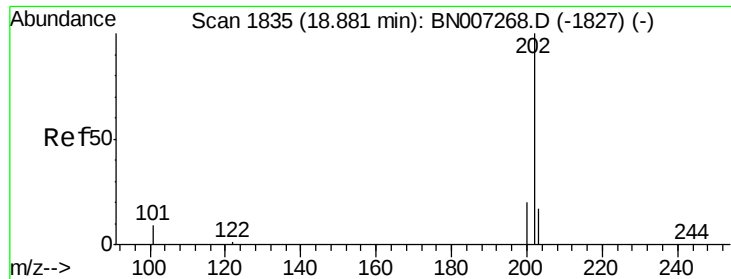
Jagrut
 8/21/2019 4:07:01 PM



#25
 Fluoranthene-d10
 Concen: 0.254 ng
 RT: 18.85 min Scan# 1829
 Delta R.T. 0.00 min
 Lab File: BN007280.D
 Acq: 21 Aug 2019 05:27

Tgt Ion	Ratio	Lower	Upper
212	100		
106	10.6	8.2	12.4
104	6.2	4.7	7.1





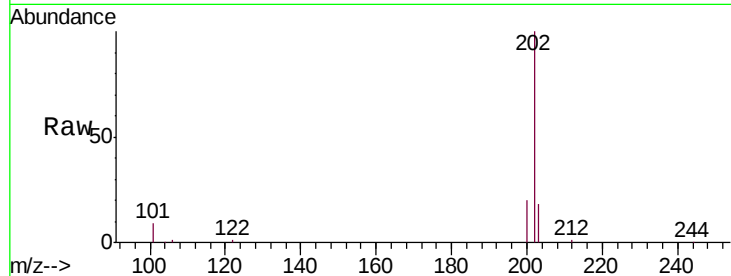
#26
Fluoranthene
 Concen: 0.353 ng
 RT: 18.88 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: BN007280.D
 Acq: 21 Aug 2019 05:27

Instrument :
 BNA_N
 ClientSampleId :
 PST-035-B241-080819

Tot Ion	Ratio	Resp	Lower	Upper
202	100	40926		
101	9.3		7.2	10.8
203	18.2		13.8	20.6

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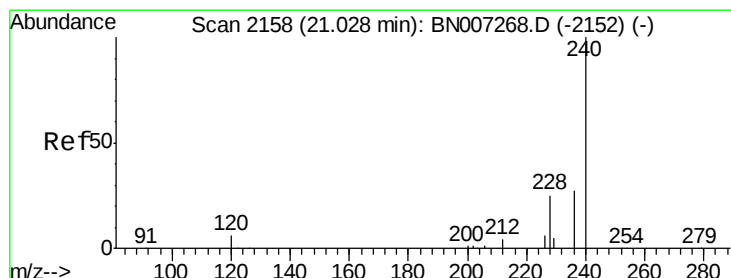
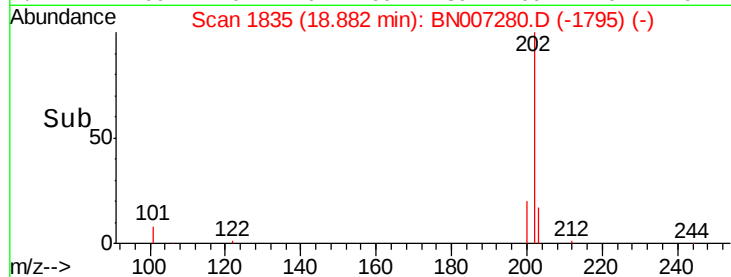
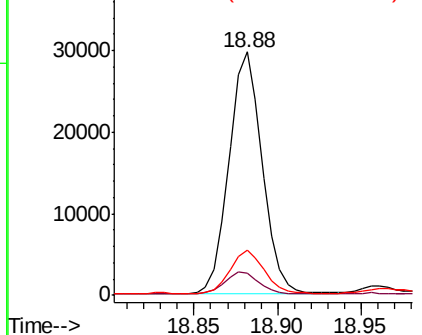


Abundance

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# 2158
 Delta R.T. 0.00 min
 Lab File: BN007280.D
 Acq: 21 Aug 2019 05:27

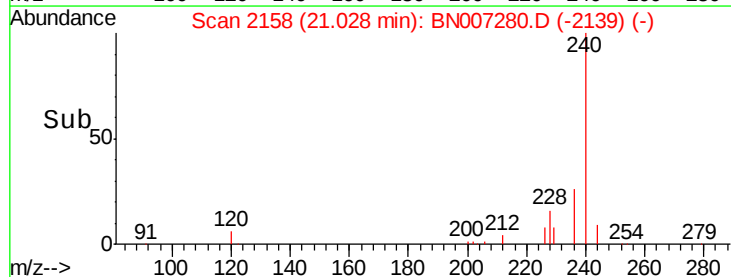
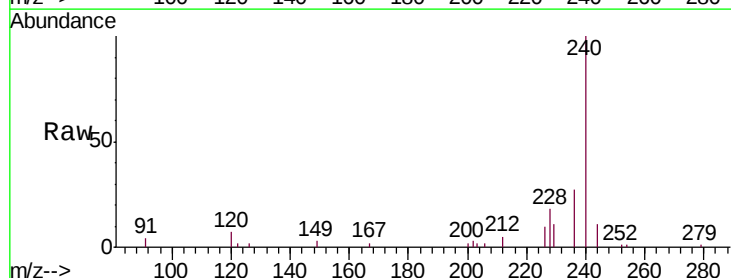
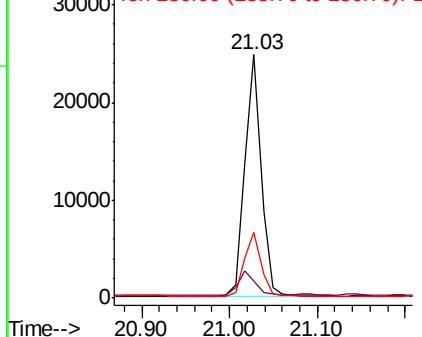
Tgt Ion	Ratio	Resp	Lower	Upper
240	100	31638		
120	7.1		5.6	8.4
236	26.8		21.6	32.4

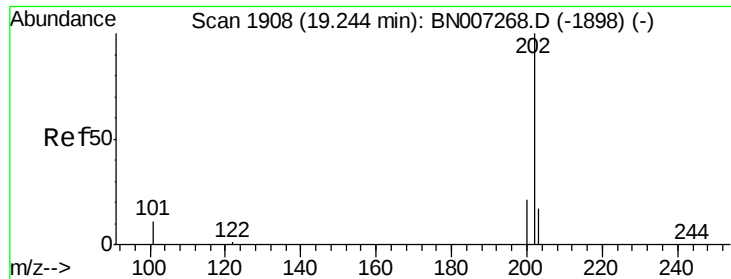
Abundance

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





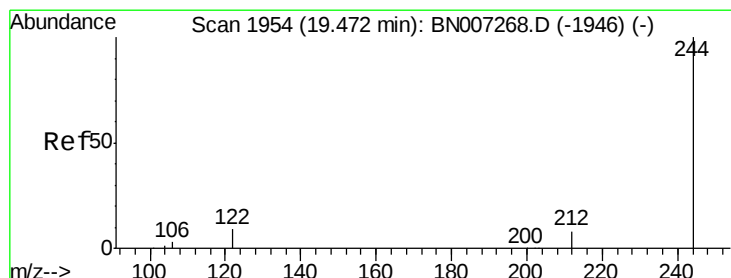
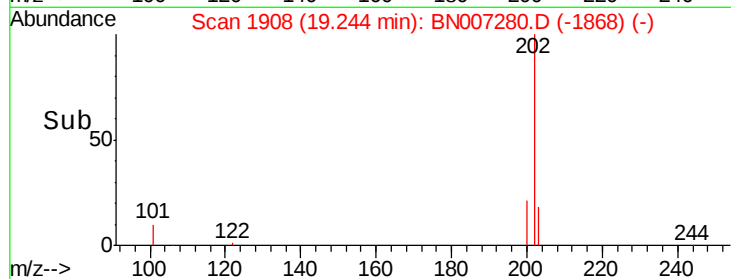
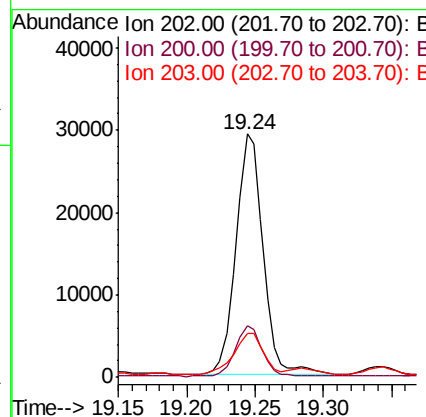
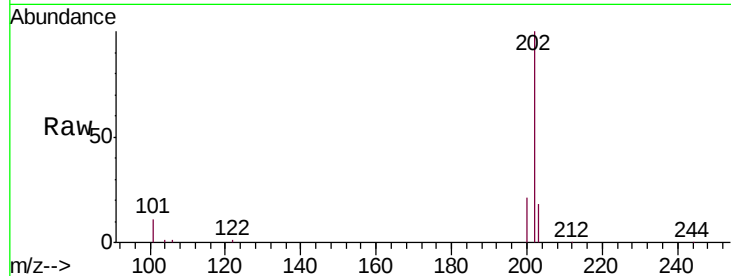
#28
Pvrene
Concen: 0.342 ng
RT: 19.24 min Scan# 1908
Delta R.T. 0.00 min
Lab File: BN007280.D
Acq: 21 Aug 2019 05:27

Instrument :
BNA_N
ClientSampleId :
PST-035-B241-080819

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.7	16.7	25.1	
203	19.0	13.9	20.9	

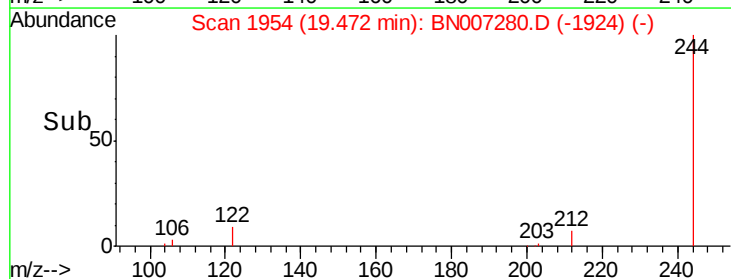
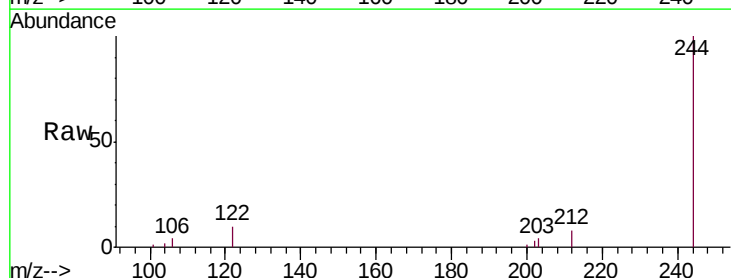
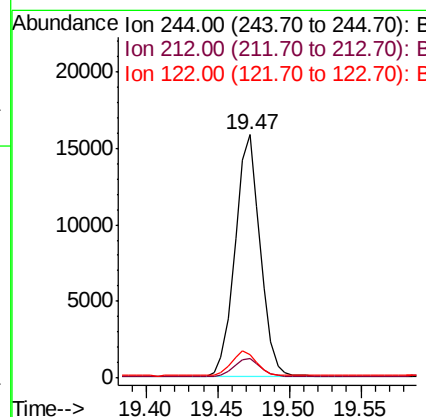
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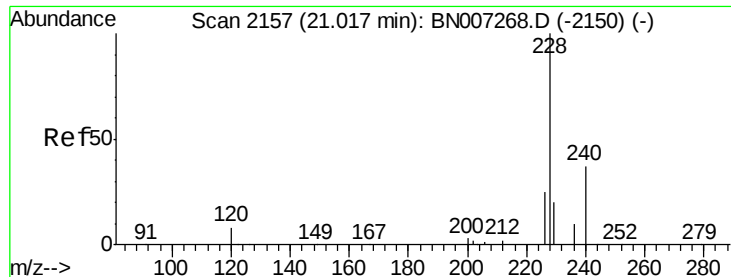
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#29
Terphenyl-d14
Concen: 0.244 ng
RT: 19.47 min Scan# 1954
Delta R.T. 0.00 min
Lab File: BN007280.D
Acq: 21 Aug 2019 05:27

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	8.3	6.5	9.7	
122	9.7	7.9	11.9	





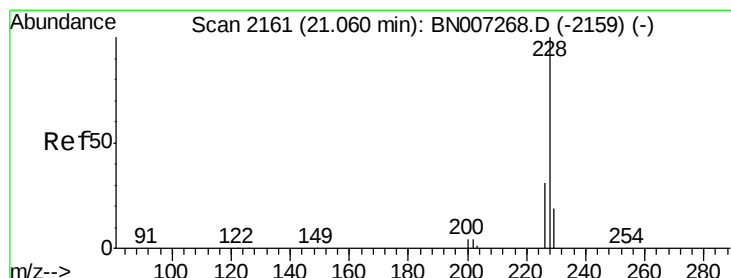
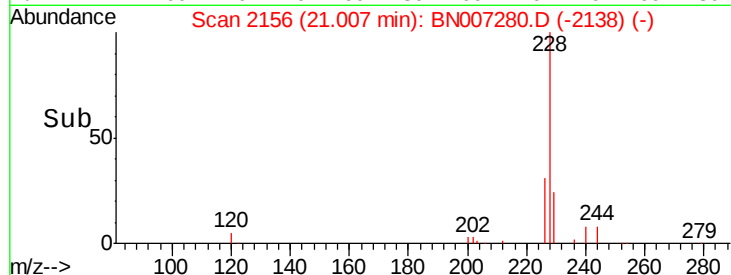
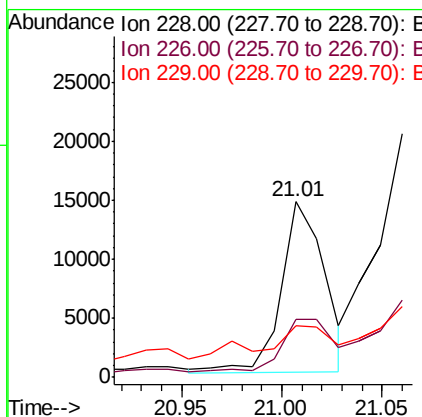
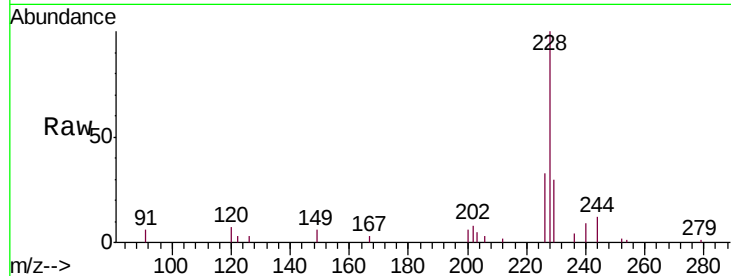
#30
Benzo(a)anthracene
Concen: 0.187 ng
RT: 21.01 min Scan# 2156
Delta R.T. -0.01 min
Lab File: BN007280.D
Acq: 21 Aug 2019 05:27

Instrument :
BNA_N
ClientSampleId :
PST-035-B241-080819

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.1	20.6	30.8#
229	29.5	16.9	25.3#

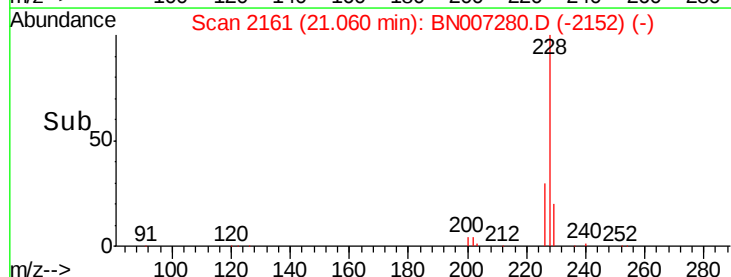
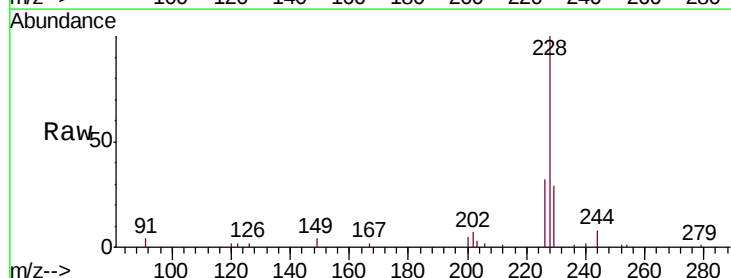
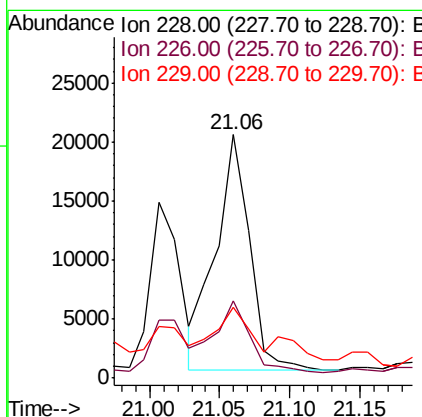
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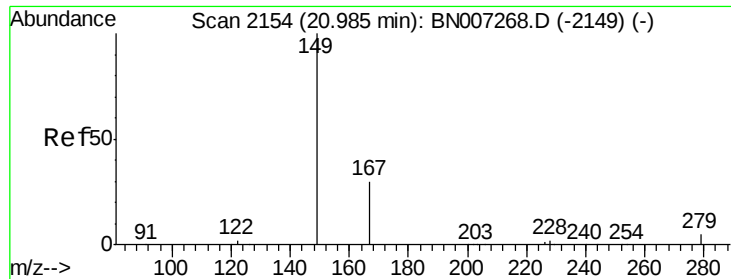
Jagrut
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#31
Chrysene
Concen: 0.281 ng
RT: 21.06 min Scan# 2161
Delta R.T. 0.00 min
Lab File: BN007280.D
Acq: 21 Aug 2019 05:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	24.6	36.8
229	29.0	15.6	23.4#





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.165 ng

RT: 20.97 min Scan# 2153

Delta R.T. -0.01 min

Lab File: BN007280.D

Acq: 21 Aug 2019 05:27

Instrument :

BNA_N

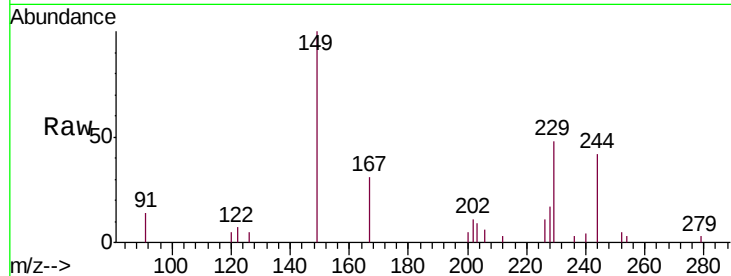
ClientSampleId :

PST-035-B241-080819

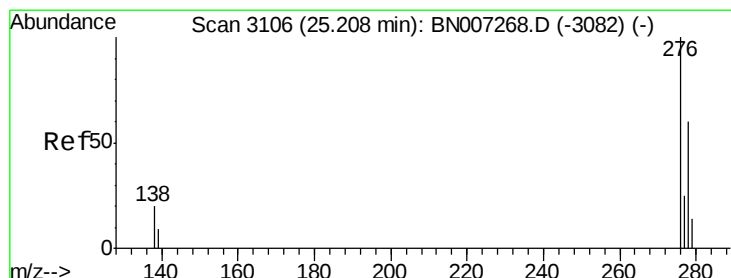
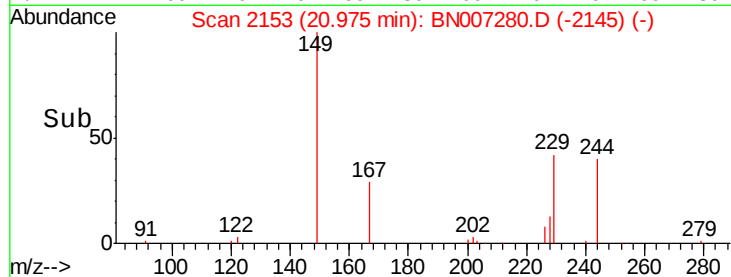
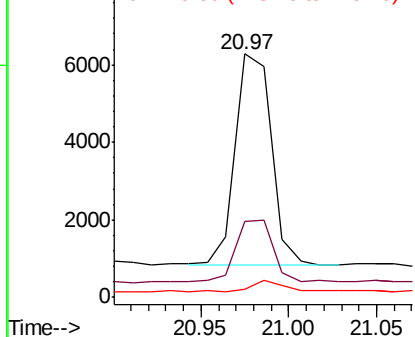
Tot Ion:	149	Resp:	7756
Ion Ratio	Lower	Upper	
149	100		
167	31.1	23.8	35.6
279	4.5	3.8	5.8

Manual Integrations
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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: 0.105 ng

RT: 25.20 min Scan# 3103

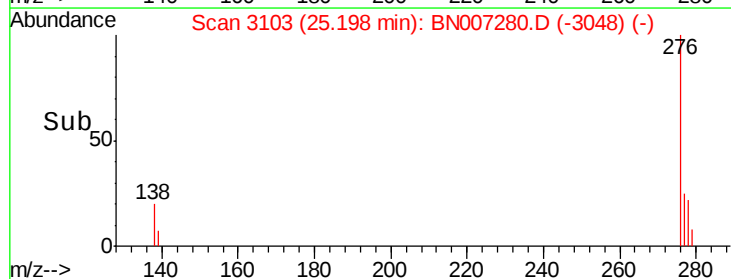
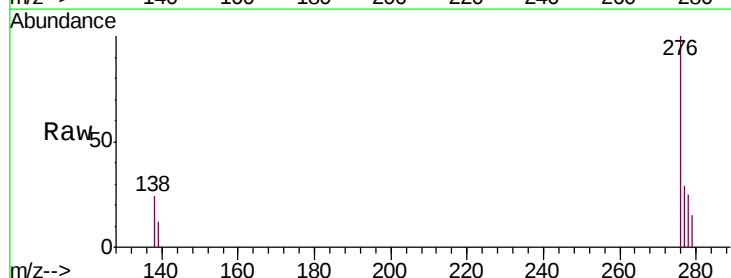
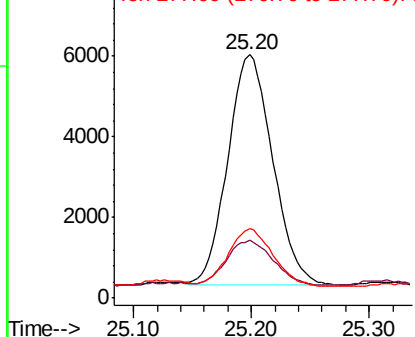
Delta R.T. -0.01 min

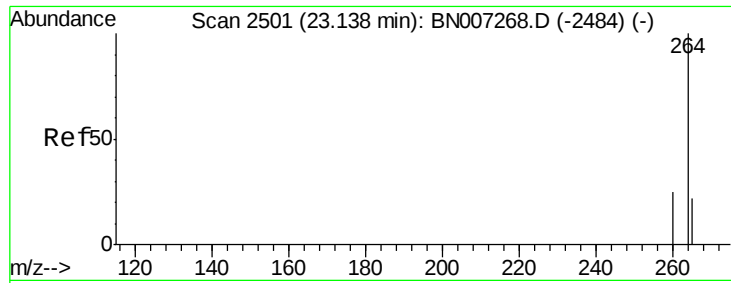
Lab File: BN007280.D

Acq: 21 Aug 2019 05:27

Tgt Ion:	276	Resp:	15122
Ion Ratio	Lower	Upper	
276	100		
138	20.7	17.1	25.7
277	25.3	20.1	30.1

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





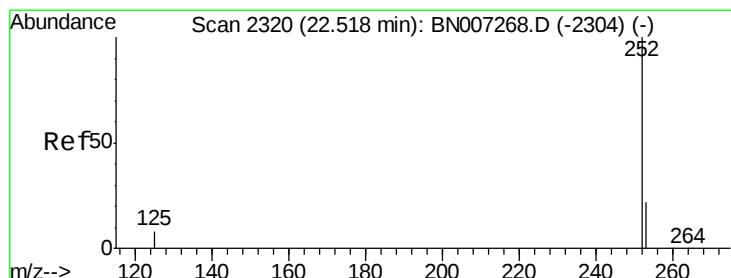
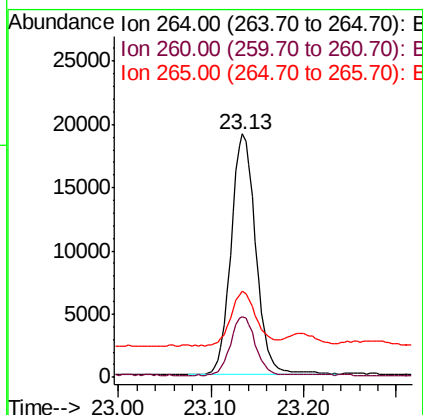
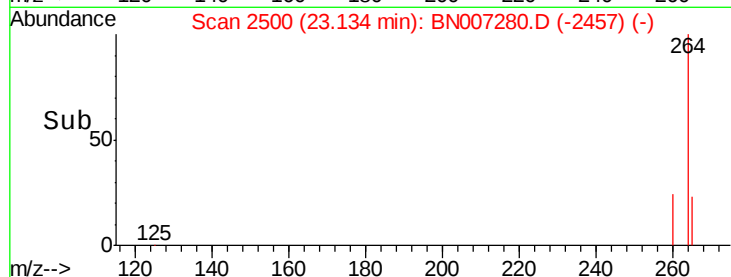
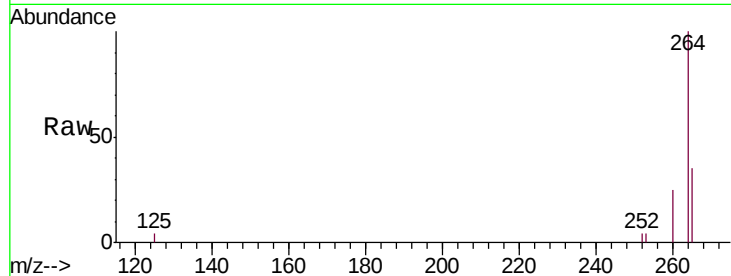
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.13 min Scan# 2500
 Delta R.T. -0.00 min
 Lab File: BN007280.D
 Acq: 21 Aug 2019 05:27

Instrument :
 BNA_N
 ClientSampleId :
 PST-035-B241-080819

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.1	30.1
265	35.2	29.0	43.6

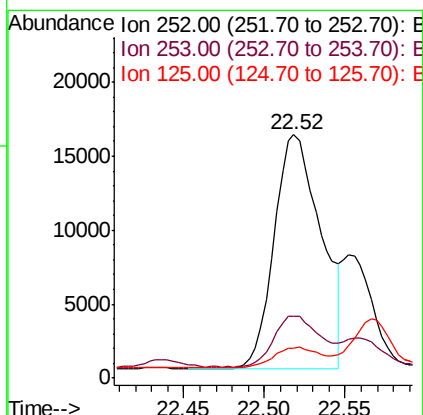
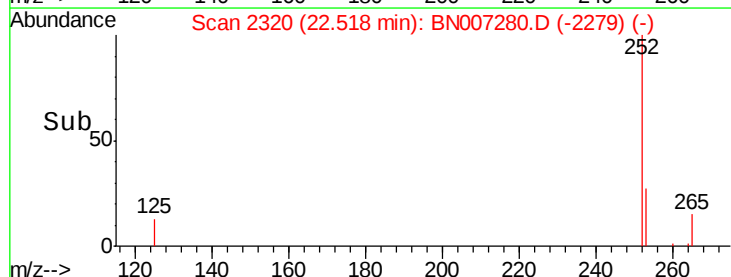
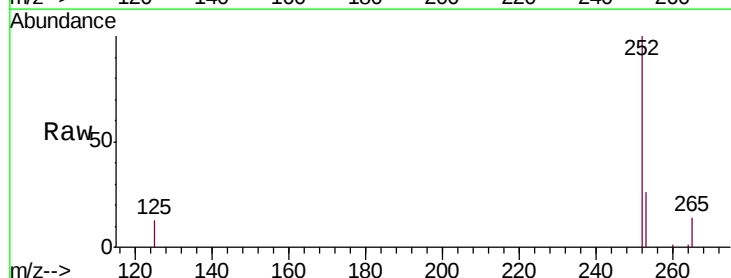
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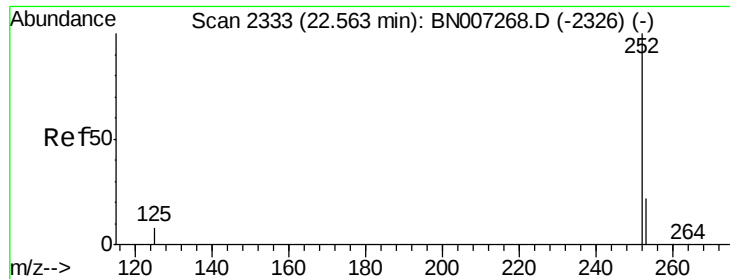
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#35
 Benzo(b)fluoranthene
 Concen: 0.241 ng
 RT: 22.52 min Scan# 2320
 Delta R.T. 0.00 min
 Lab File: BN007280.D
 Acq: 21 Aug 2019 05:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.5	27.7
125	12.5	7.8	11.6#





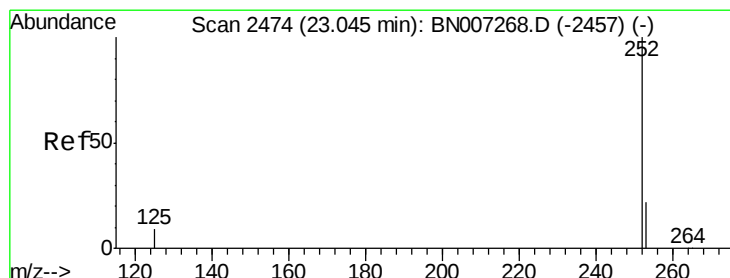
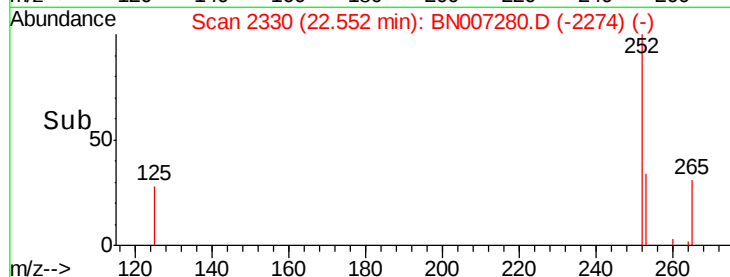
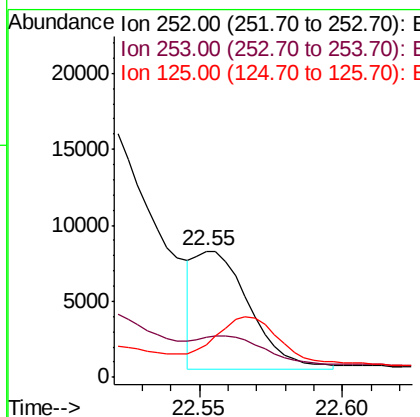
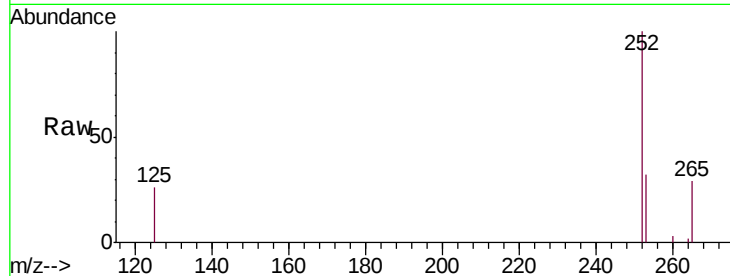
#36
Benzo(k)fluoranthene
Concen: 0.080 ng m
RT: 22.55 min Scan# 2330
Delta R.T. -0.01 min
Lab File: BN007280.D
Acq: 21 Aug 2019 05:27

Instrument :
BNA_N
ClientSampleId :
PST-035-B241-080819

Tot Ion	Ratio	Lower	Upper
252	100		
253	31.6	18.4	27.6#
125	26.0	8.0	12.0#

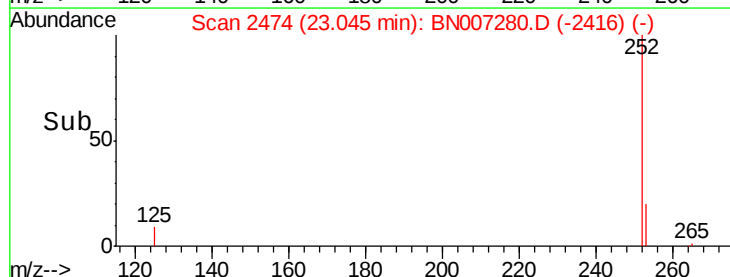
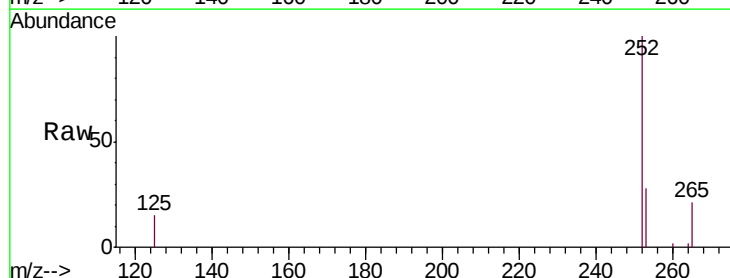
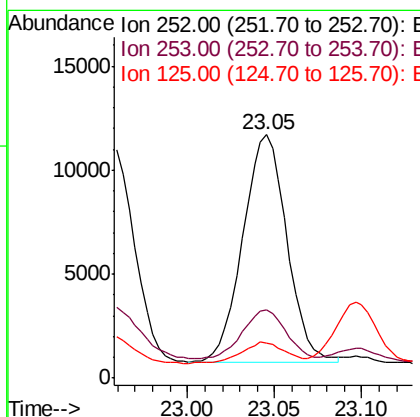
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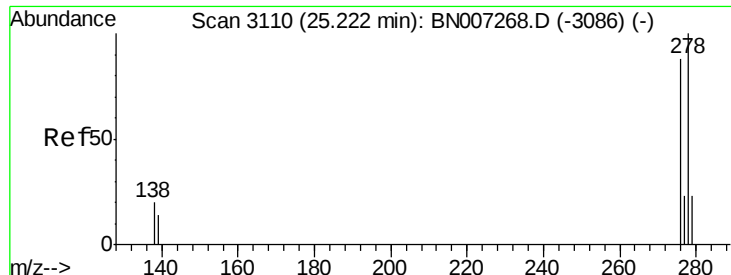
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#37
Benzo(a)pyrene
Concen: 0.160 ng
RT: 23.05 min Scan# 2474
Delta R.T. 0.00 min
Lab File: BN007280.D
Acq: 21 Aug 2019 05:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.1	18.7	28.1#
125	14.6	8.7	13.1#





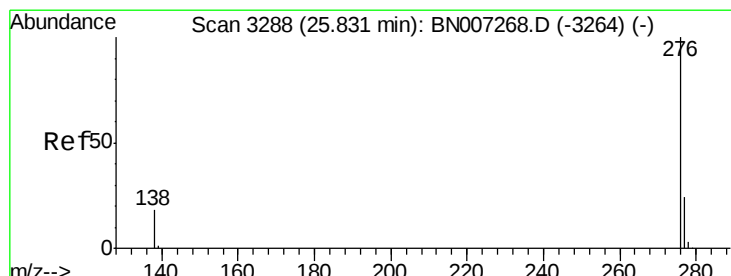
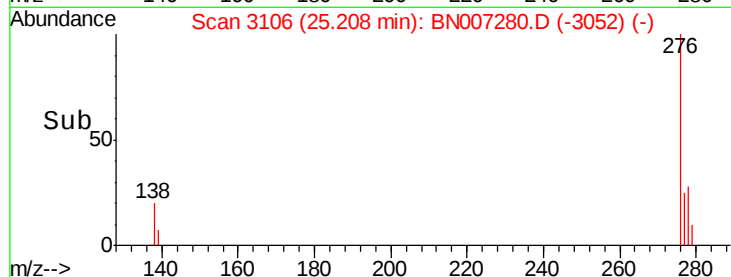
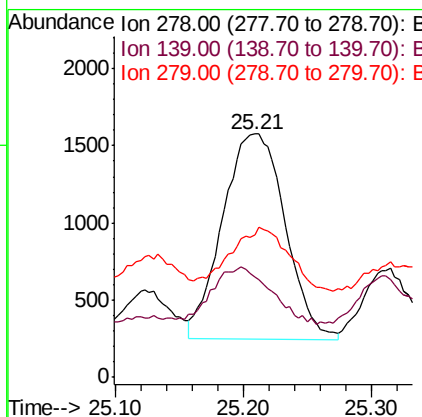
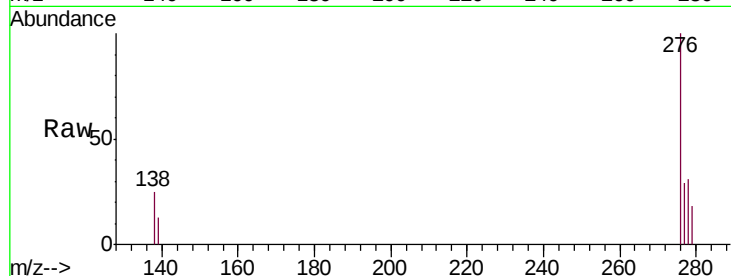
#38
Dibenzo(a,h)anthracene
Concen: 0.036 ng
RT: 25.21 min Scan# 3106
Delta R.T. -0.01 min
Lab File: BN007280.D
Acq: 21 Aug 2019 05:27

Instrument :
BNA_N
ClientSampleId :
PST-035-B241-080819

Tot Ion	Ratio	Lower	Upper
278	100		
139	41.3	11.8	17.8#
279	58.6	19.8	29.6#

Manual Integrations
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#39
Benzo(g,h,i)perylene
Concen: 0.123 ng
RT: 25.83 min Scan# 3287
Delta R.T. -0.00 min
Lab File: BN007280.D
Acq: 21 Aug 2019 05:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.6	19.5	29.3
138	22.6	15.3	22.9

