

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100319\
 Data File : BN007998.D
 Acq On : 04 Oct 2019 01:47
 Operator : JU
 Sample : K5077-14
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B264-092619

Manual Integrations
 APPROVED

mohammad
 10/7/2019 8:27:37 AM

Quant Time: Oct 04 08:52:36 2019

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

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Thu Oct 03 18:39:49 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	4793	0.40	ng	-0.02
7) Naphthalene-d8	10.46	136	20497	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	13329	0.40	ng	-0.02
19) Phenanthrene-d10	17.06	188	29187	0.40	ng	-0.01
27) Chrysene-d12	21.25	240	30762	0.40	ng	-0.02
34) Perylene-d12	23.47	264	33629	0.40	ng	-0.03

System Monitoring Compounds

4) 2-Fluorophenol	5.31	112	5408	0.33	ng	0.00
5) Phenol-d6	6.87	99	7759	0.38	ng	0.00
8) Nitrobenzene-d5	8.82	82	5860	0.33	ng	-0.01
11) 2-Methylnaphthalene-d10	12.05	152	12331	0.36	ng	-0.02
14) 2,4,6-Tribromophenol	15.80	330	2641	0.36	ng	-0.02
15) 2-Fluorobiphenyl	12.93	172	16962	0.31	ng	-0.02
25) Fluoranthene-d10	19.10	212	34705	0.35	ng	-0.01
29) Terphenyl-d14	19.70	244	27749	0.37	ng	-0.02

Target Compounds

						Qvalue
16) Acenaphthylene	14.03	152	9378	0.133	ng	99
18) Fluorene	15.37	166	1891	0.032	ng	# 78
22) Pentachlorophenol	16.72	266	170	0.024	ng	# 84
23) Phenanthrene	17.10	178	29068	0.320	ng	100
24) Anthracene	17.18	178	6306	0.077	ng	# 95
26) Fluoranthene	19.12	202	54670	0.484	ng	99
28) Pyrene	19.49	202	61102	0.582	ng	96
30) Benzo(a)anthracene	21.24	228	28597	0.252	ng	# 79
31) Chrysene	21.29	228	30980	0.281	ng	# 91
32) Bis(2-ethylhexyl)phthalate	21.18	149	7624	0.131	ng	96
33) Indeno(1,2,3-cd)pyrene	25.67	276	18016	0.130	ng	# 94
35) Benzo(b)fluoranthene	22.81	252	35307	0.302	ng	# 76
36) Benzo(k)fluoranthene	22.85	252	12219m	0.106	ng	
37) Benzo(a)pyrene	23.37	252	25845	0.236	ng	# 72
38) Dibenzo(a,h)anthracene	25.68	278	4739	0.042	ng	# 1
39) Benzo(g,h,i)perylene	26.35	276	18438	0.166	ng	# 79

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

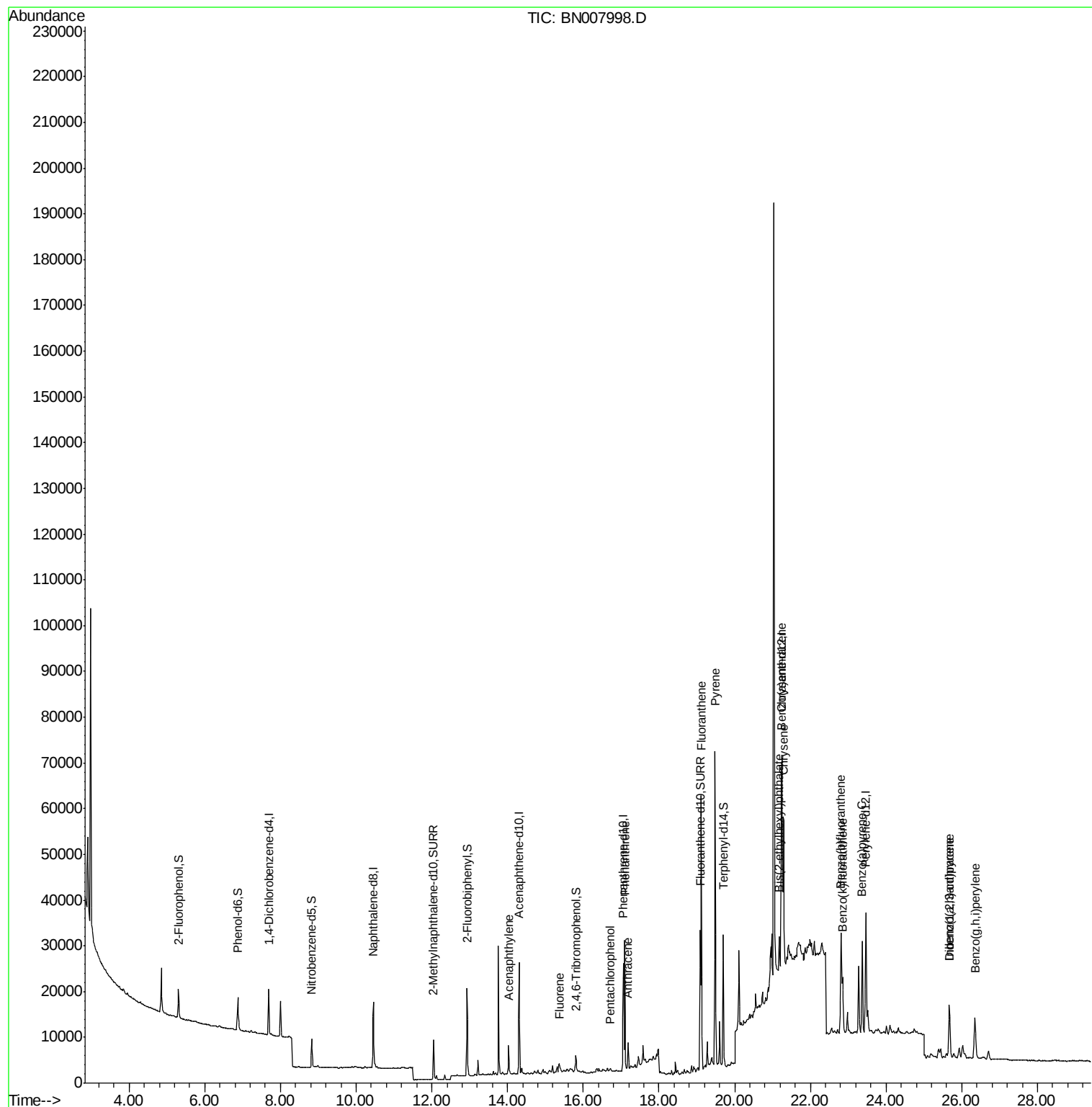
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100319\
Data File : BN007998.D
Acq On : 04 Oct 2019 01:47
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Misc :
ALS Vial : 15 Sample Multiplier: 1

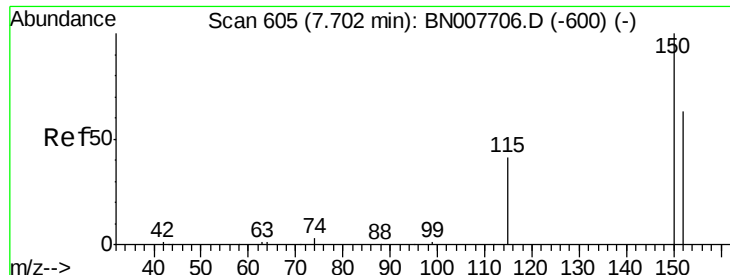
Instrument :
BNA_N
ClientSampleId :
PST-024-B264-092619

Manual Integrations
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#1

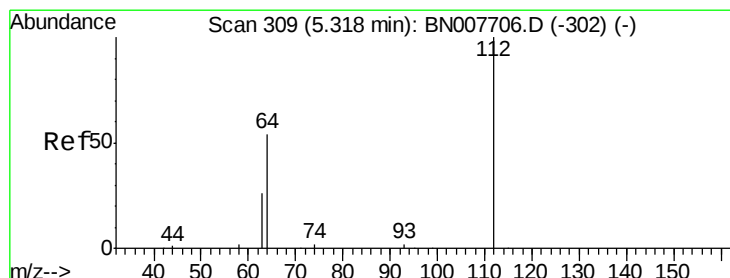
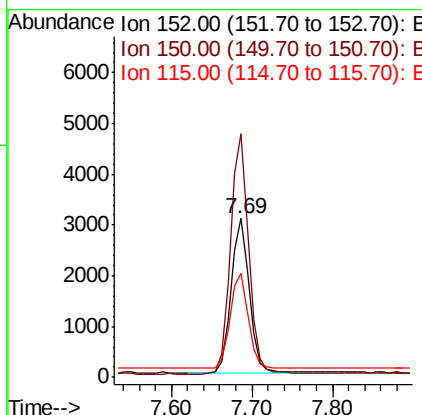
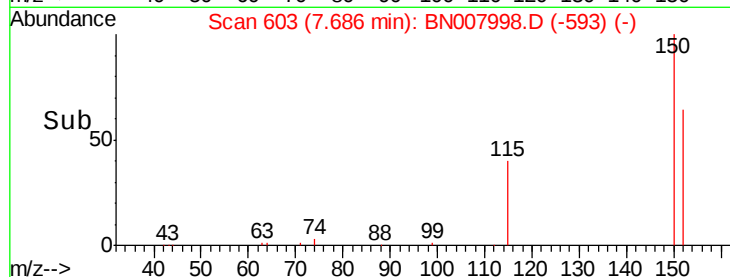
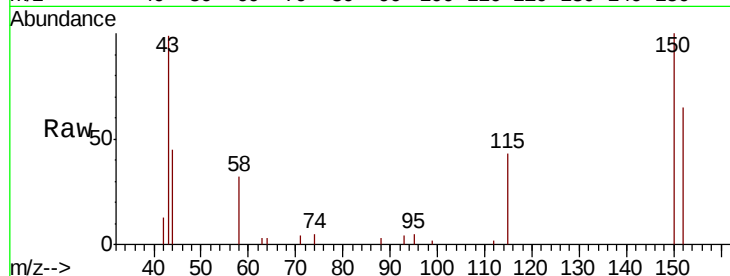
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 603
Delta R.T. -0.02 min
Lab File: BN007998.D
Acq: 04 Oct 2019 01:47

Instrument :
BNA_N
ClientSampleId :
PST-024-B264-092619

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	125.6	188.4
115	65.8	53.3	79.9

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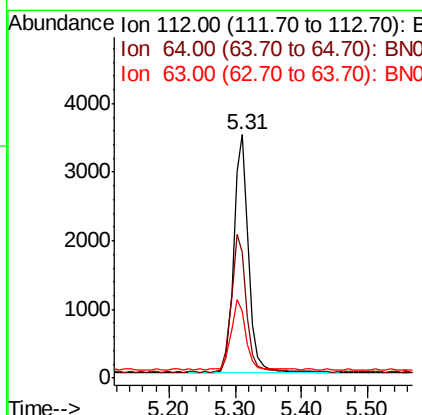
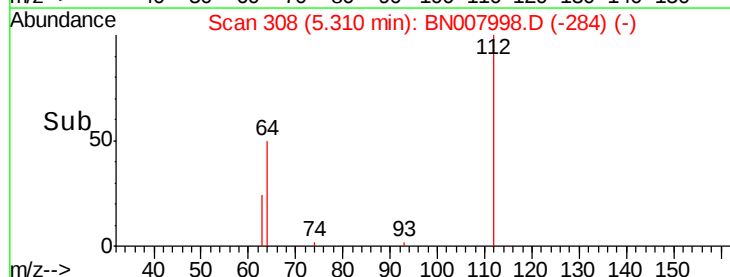
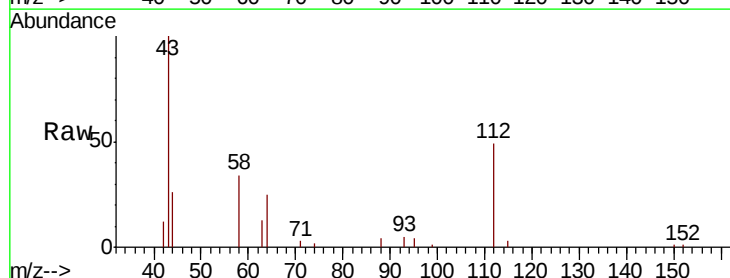
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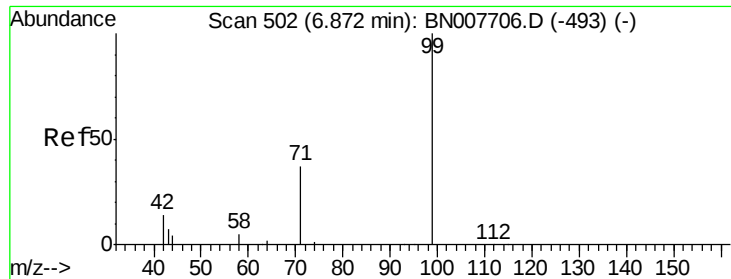


#4

2-Fluorophenol
Concen: 0.328 ng
RT: 5.31 min Scan# 308
Delta R.T. -0.01 min
Lab File: BN007998.D
Acq: 04 Oct 2019 01:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.1	46.6	70.0
63	29.3	23.1	34.7





#5

Phenol-d6

Concen: 0.377 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN007998.D

Acq: 04 Oct 2019 01:47

Instrument :

BNA_N

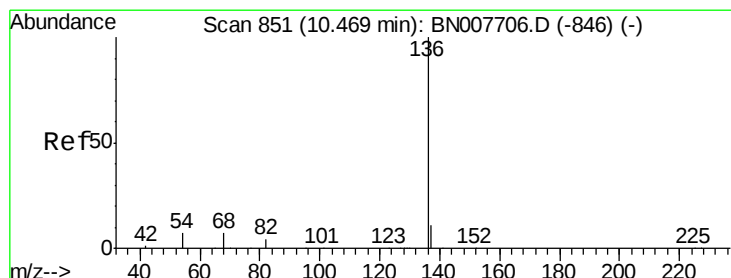
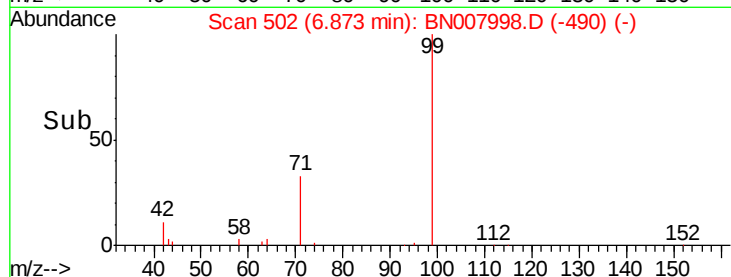
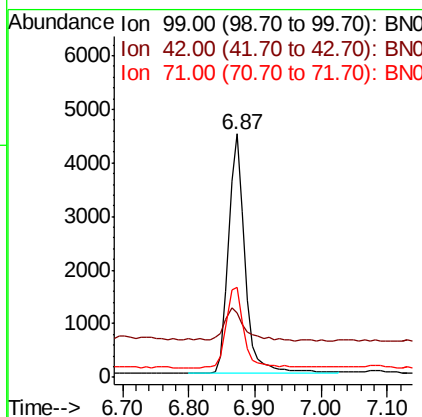
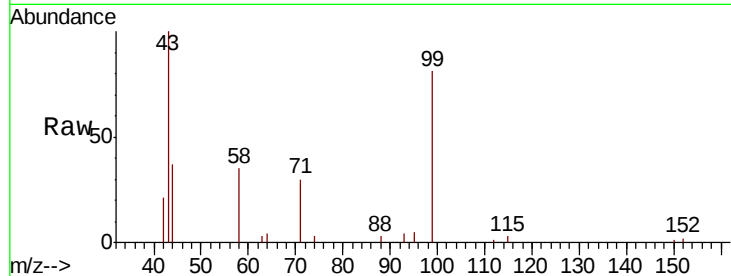
ClientSampleId :

PST-024-B264-092619

Tot Ion:	99	Resp:	7759
Ion	Ratio	Lower	Upper
99	100		
42	15.8	12.8	19.2
71	36.9	27.6	41.4

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#7

Naphthalene-d8

Concen: 0.400 ng

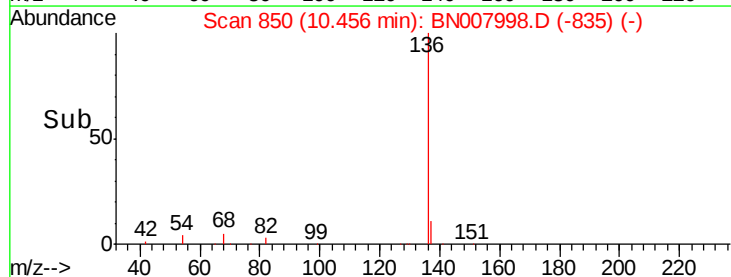
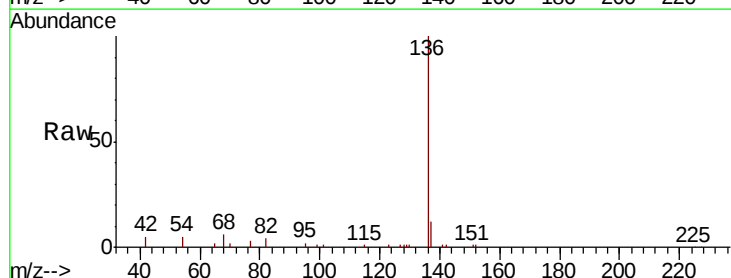
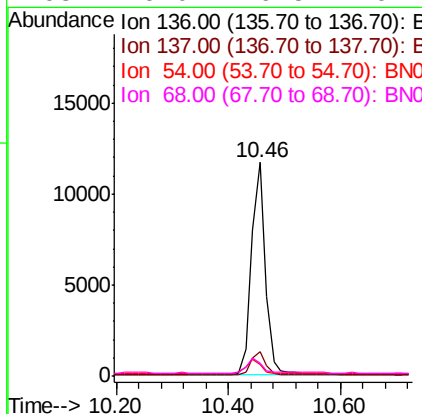
RT: 10.46 min Scan# 850

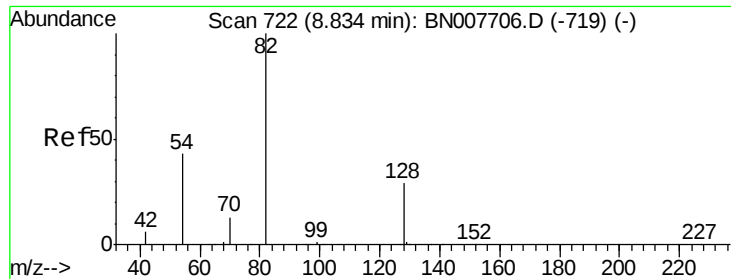
Delta R.T. -0.01 min

Lab File: BN007998.D

Acq: 04 Oct 2019 01:47

Tgt Ion:	136	Resp:	20497
Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.2	13.8
54	5.3	5.8	8.8#
68	6.0	6.5	9.7#





#8

Nitrobenzene-d5

Concen: 0.327 ng

RT: 8.82 min Scan# 721

Delta R.T. -0.01 min

Lab File: BN007998.D

Acq: 04 Oct 2019 01:47

Instrument :

BNA_N

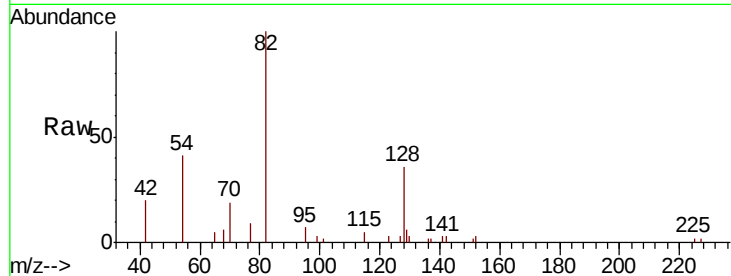
ClientSampleId :

PST-024-B264-092619

Tot Ion:	82	Resp:	5860
Ion Ratio	Lower	Upper	
82	100		
128	35.8	24.5	36.7
54	41.1	35.2	52.8

Manual Integrations
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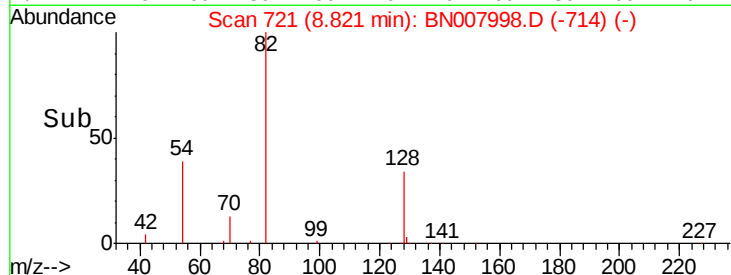


Abundance Ion 82.00 (81.70 to 82.70): BN007706.D (-719) (-)

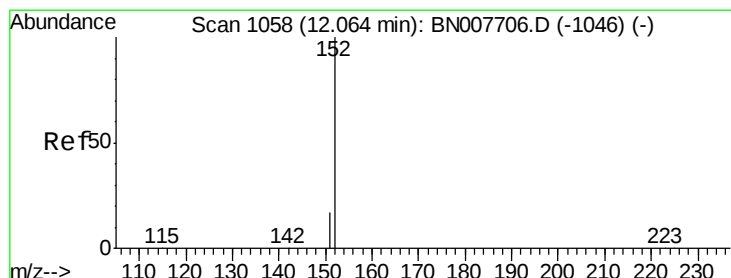
Ion 128.00 (127.70 to 128.70): BN007706.D (-719) (-)

Ion 54.00 (53.70 to 54.70): BN007706.D (-719) (-)

Time-->



Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.357 ng

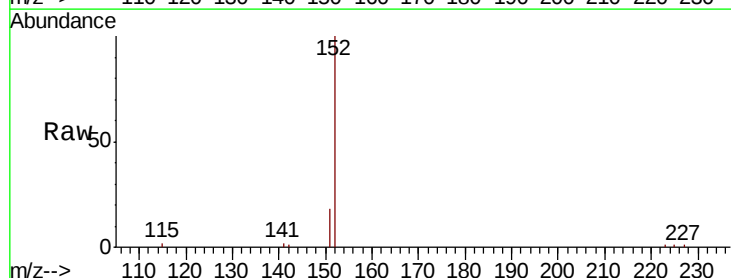
RT: 12.05 min Scan# 1054

Delta R.T. -0.02 min

Lab File: BN007998.D

Acq: 04 Oct 2019 01:47

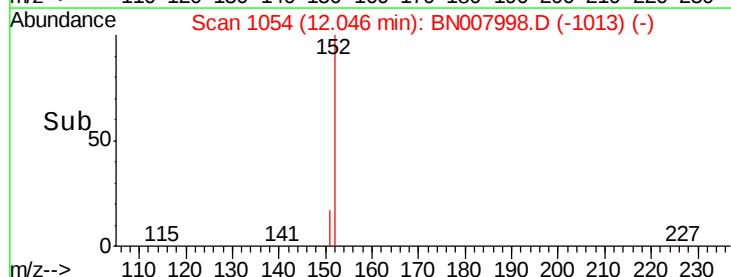
Tgt Ion:	152	Resp:	12331
Ion Ratio	Lower	Upper	
152	100		
151	20.0	15.4	23.2



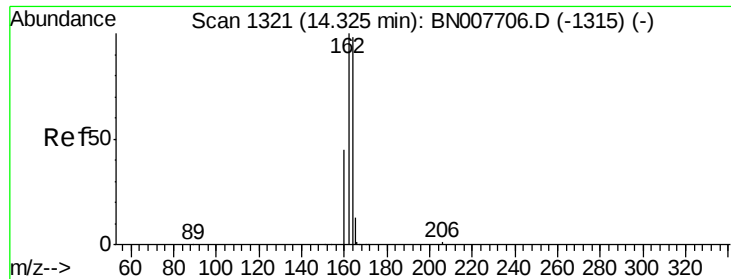
Abundance Ion 152.00 (151.70 to 152.70): BN007706.D (-1046) (-)

Ion 151.00 (150.70 to 151.70): BN007706.D (-1046) (-)

Time-->



Time-->



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.31 min Scan# 1319

Delta R.T. -0.02 min

Lab File: BN007998.D

Acq: 04 Oct 2019 01:47

Instrument :

BNA_N

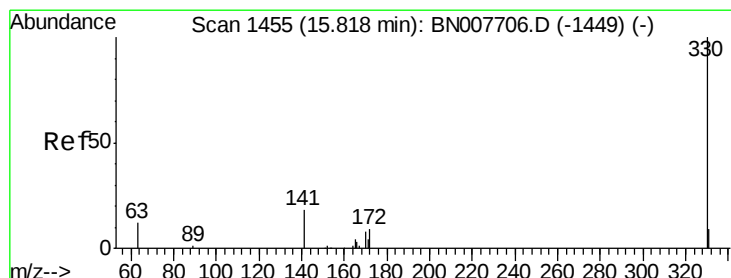
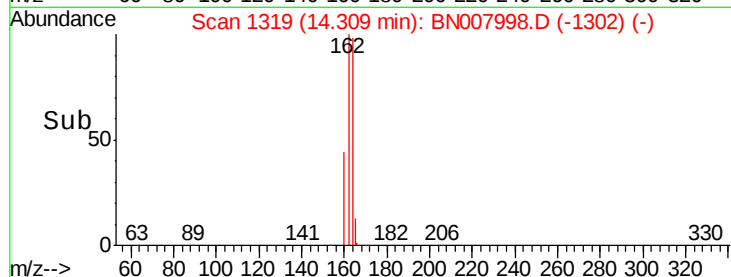
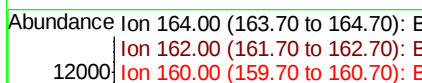
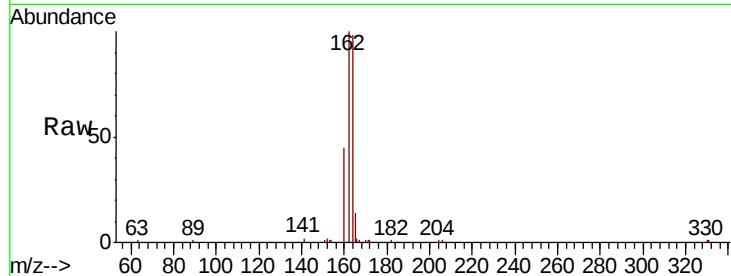
ClientSampleId :

PST-024-B264-092619

Tot Ion:	164	Resp:	13329
Ion	Ratio	Lower	Upper
164	100		
162	101.6	81.7	122.5
160	45.4	37.0	55.4

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#14

2,4,6-Tribromophenol

Concen: 0.364 ng

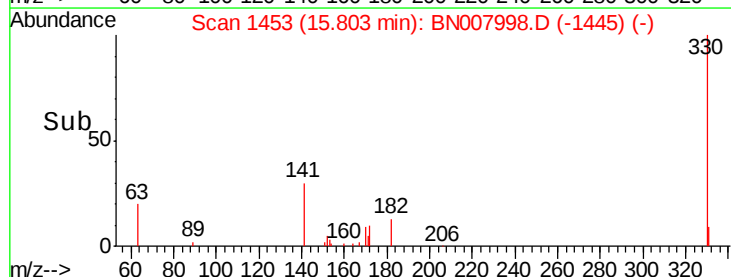
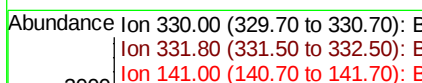
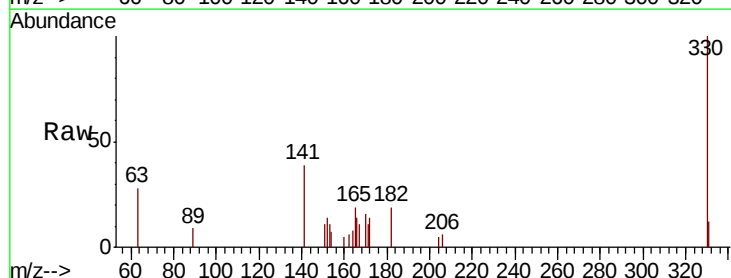
RT: 15.80 min Scan# 1453

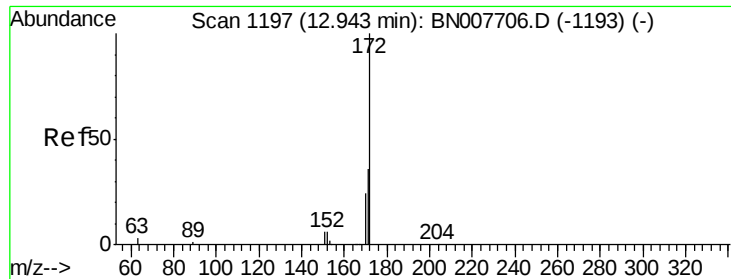
Delta R.T. -0.02 min

Lab File: BN007998.D

Acq: 04 Oct 2019 01:47

Tgt Ion:	330	Resp:	2641
Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	32.9	28.7	43.1





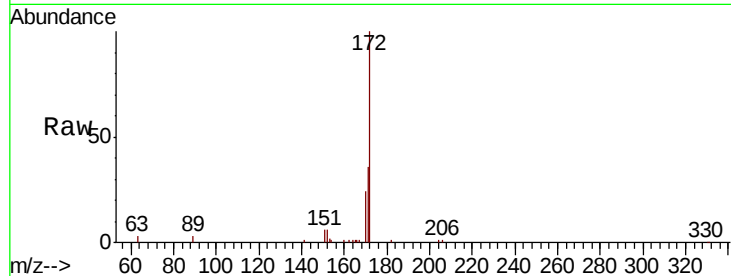
#15
2-Fluorobiphenyl
Concen: 0.309 ng
RT: 12.93 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BN007998.D
Acq: 04 Oct 2019 01:47

Instrument :
BNA_N
ClientSampleId :
PST-024-B264-092619

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.8	43.2
170	23.5	19.5	29.3

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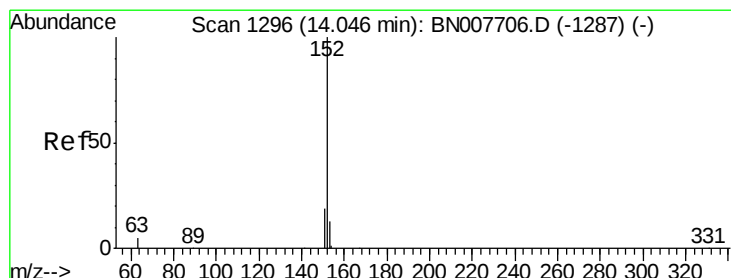
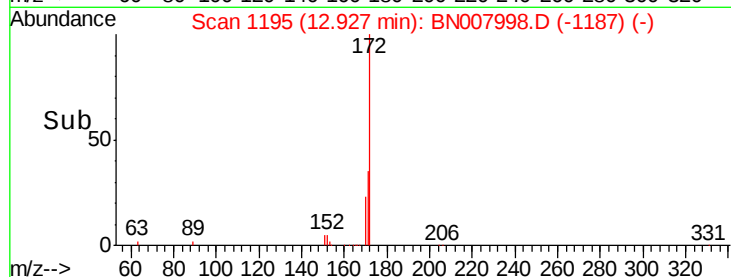
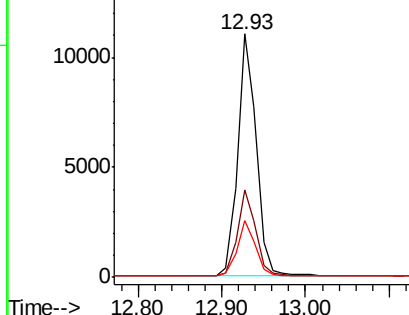


Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#16
Acenaphthylene
Concen: 0.133 ng
RT: 14.03 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BN007998.D
Acq: 04 Oct 2019 01:47

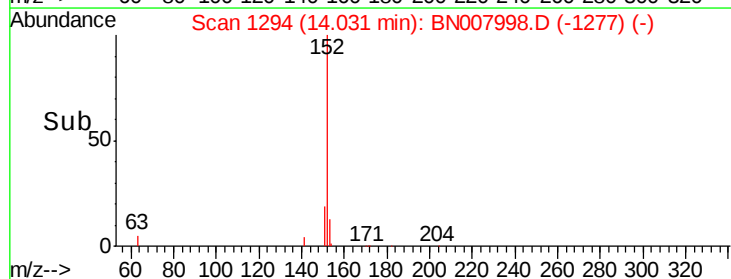
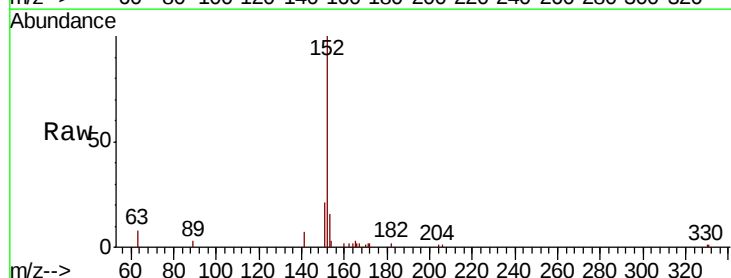
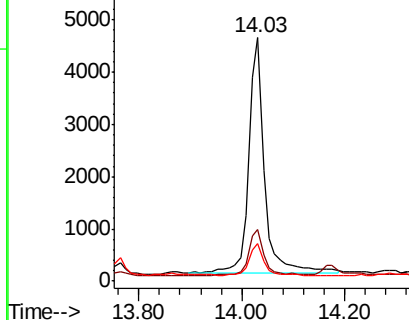
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.5	23.3
153	12.9	10.4	15.6

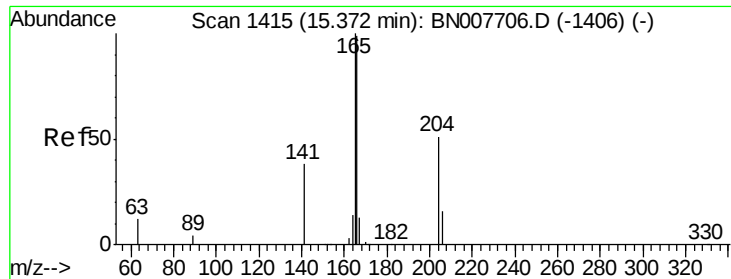
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





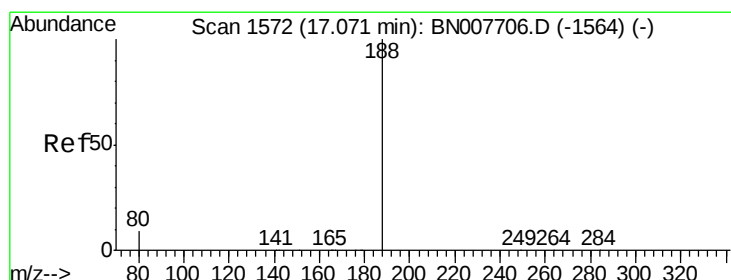
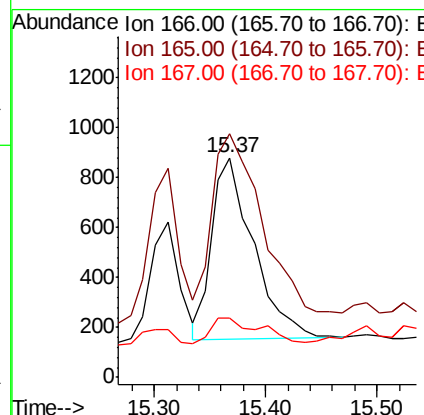
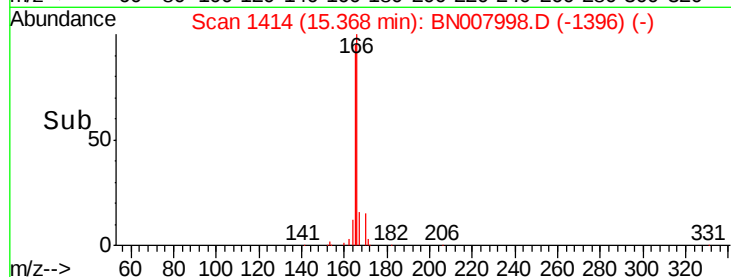
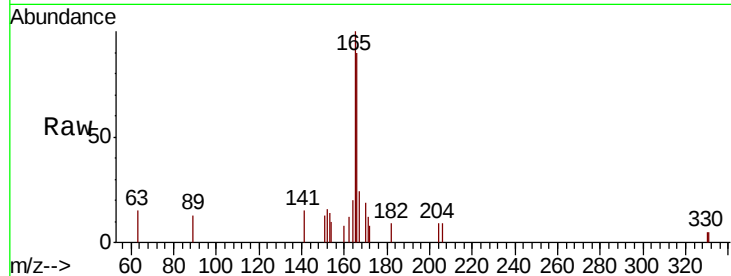
#18
 Fluorene
 Concen: 0.032 ng
 RT: 15.37 min Scan# 1414
 Delta R.T. -0.00 min
 Lab File: BN007998.D
 Acq: 04 Oct 2019 01:47

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B264-092619

Tot Ion	Ratio	Lower	Upper
166	100		
165	121.0	78.0	117.0#
167	17.6	10.9	16.3#

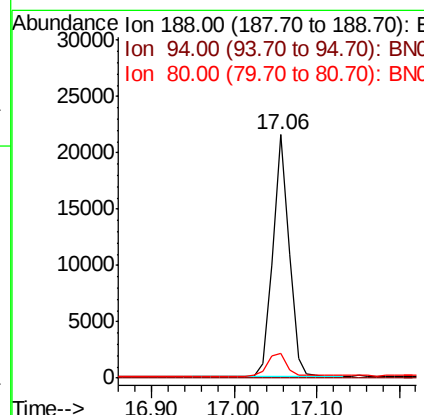
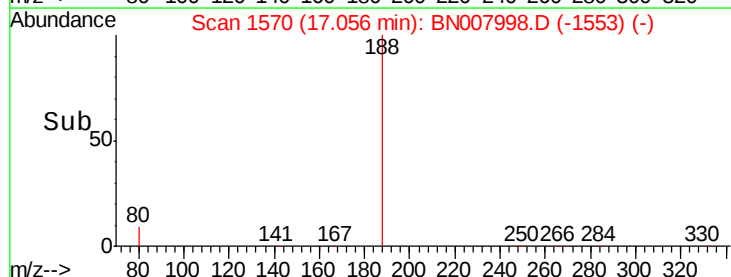
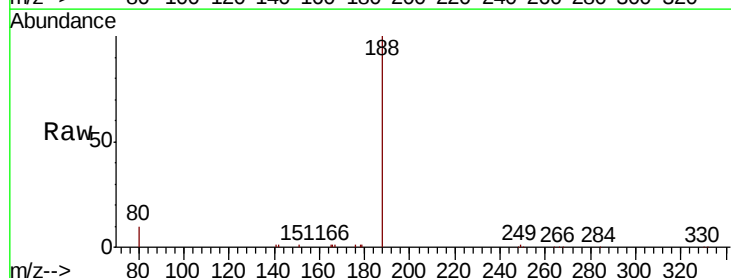
Manual Integrations
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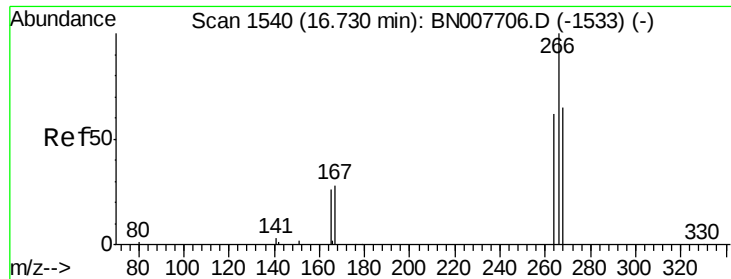
mohammad
 10/7/2019 8:27:37 AM



#19
 Phenanthrene-d10
 Concen: 0.400 ng
 RT: 17.06 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BN007998.D
 Acq: 04 Oct 2019 01:47

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.1	7.4	11.2





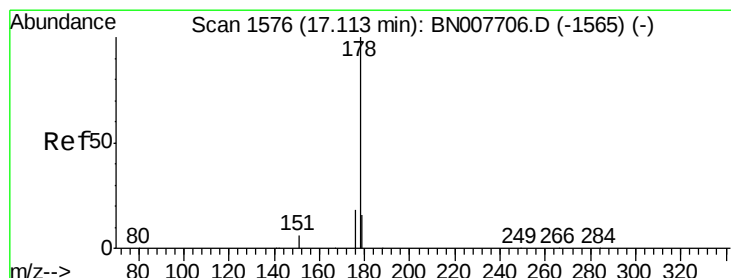
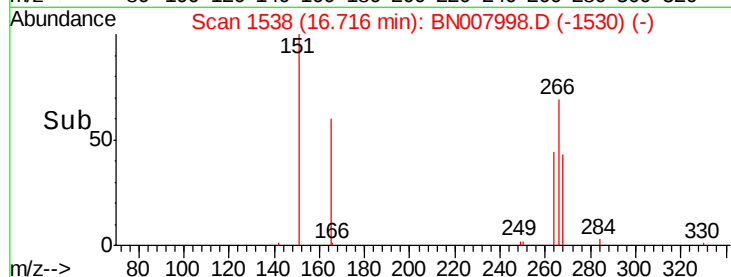
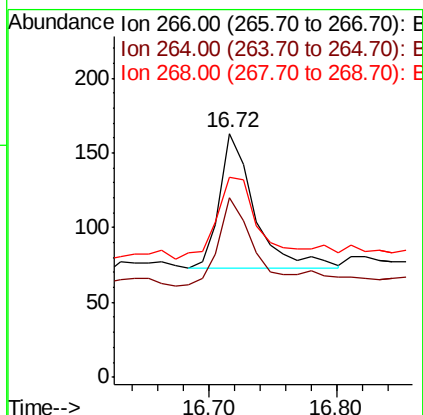
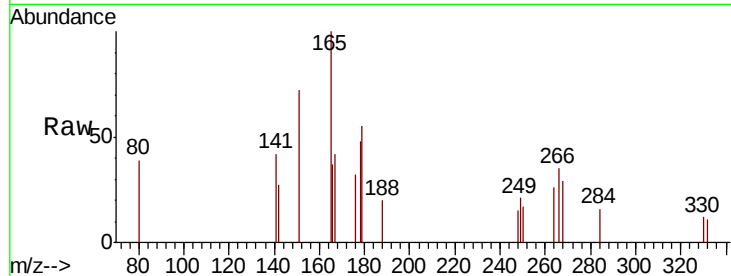
#22
 Pentachlorophenol
 Concen: 0.024 ng
 RT: 16.72 min Scan# 1538
 Delta R.T. -0.01 min
 Lab File: BN007998.D
 Acq: 04 Oct 2019 01:47

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B264-092619

Tot Ion	Ratio	Lower	Upper
266	100		
264	73.6	50.0	75.0
268	82.2	54.2	81.4

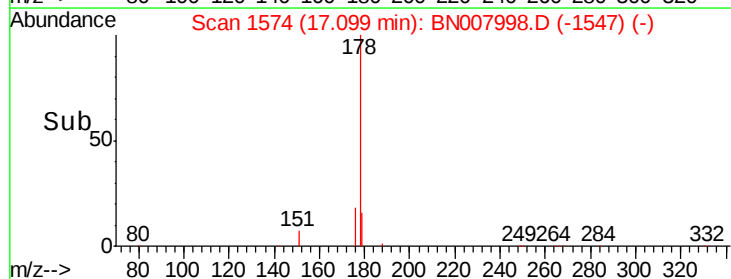
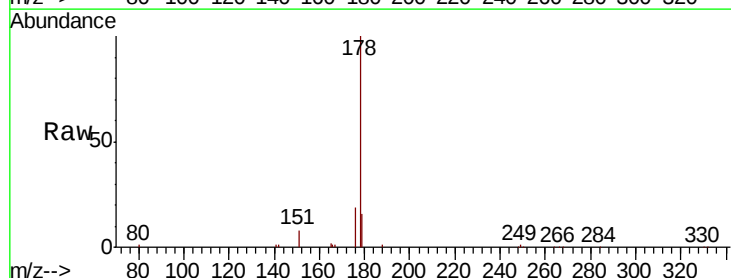
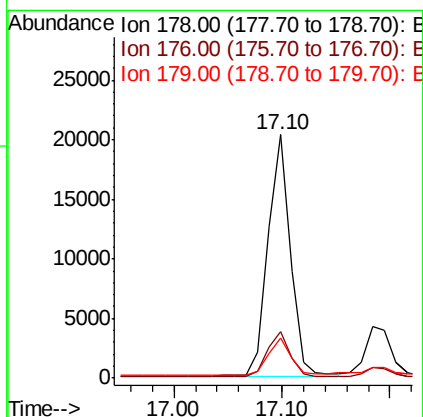
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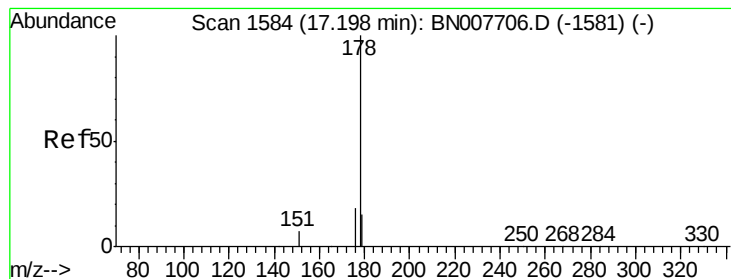
mohammad
 10/7/2019 8:27:37 AM



#23
 Phenanthrene
 Concen: 0.320 ng
 RT: 17.10 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: BN007998.D
 Acq: 04 Oct 2019 01:47

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	16.0	12.5	18.7





#24

Anthracene

Concen: 0.077 ng

RT: 17.18 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BN007998.D

Acq: 04 Oct 2019 01:47

Instrument :

BNA_N

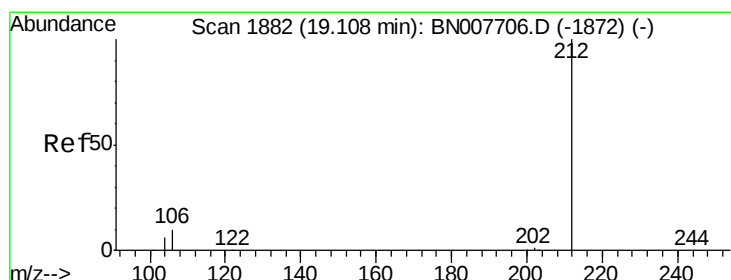
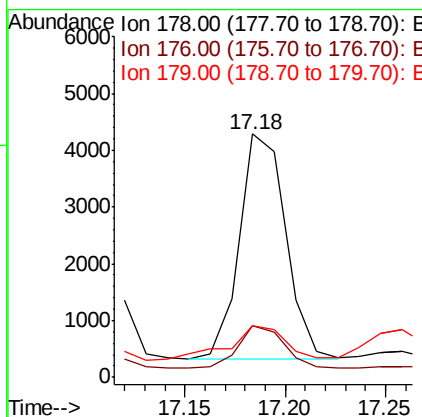
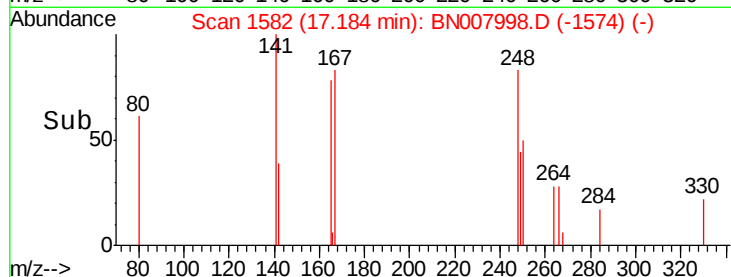
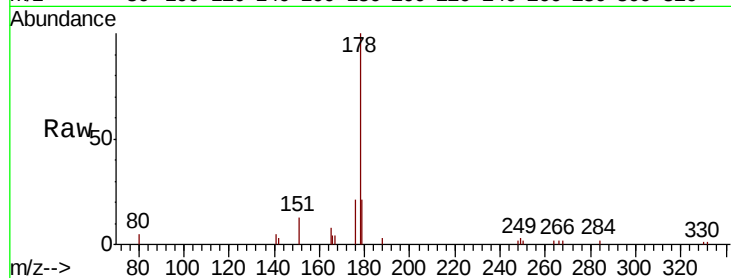
ClientSampleId :

PST-024-B264-092619

Tot Ion:178	Resp:	6306
Ion Ratio	Lower	Upper
178	100	
176	18.9	14.6 21.8
179	19.1	12.2 18.4

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#25

Fluoranthene-d10

Concen: 0.353 ng

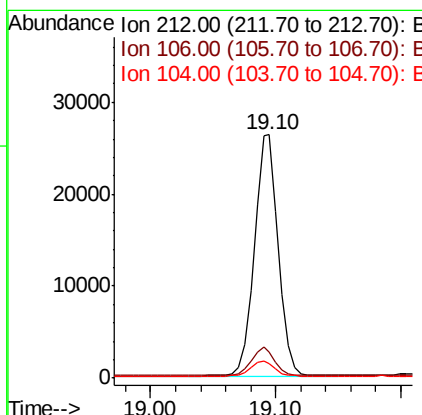
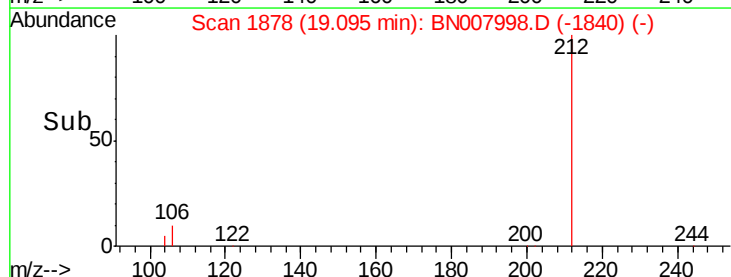
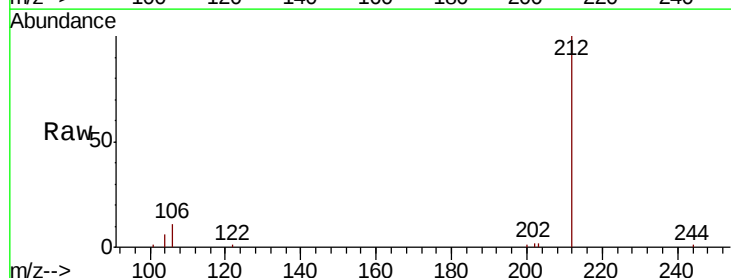
RT: 19.10 min Scan# 1878

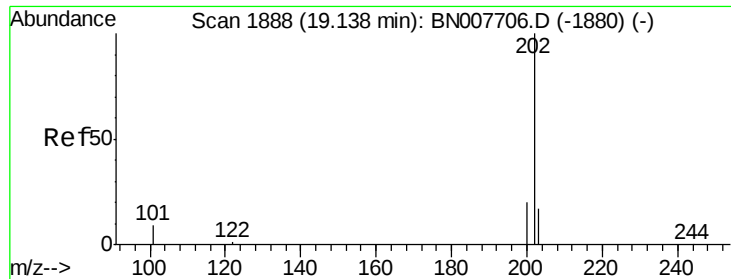
Delta R.T. -0.01 min

Lab File: BN007998.D

Acq: 04 Oct 2019 01:47

Tgt Ion:212	Resp:	34705
Ion Ratio	Lower	Upper
212	100	
106	11.2	9.4 14.0
104	6.6	5.3 7.9





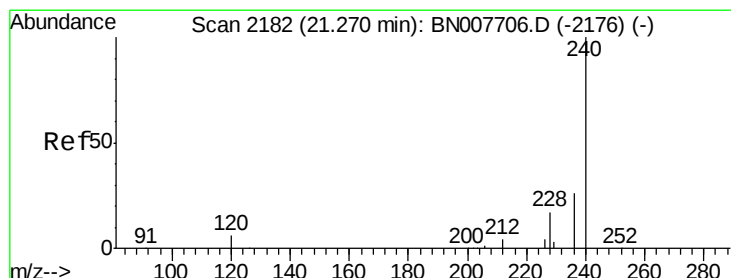
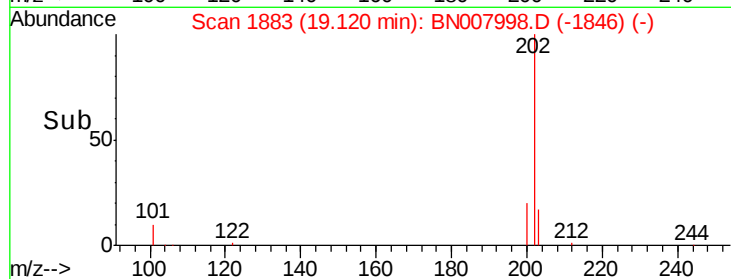
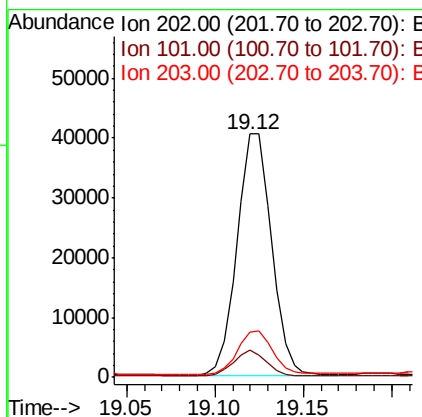
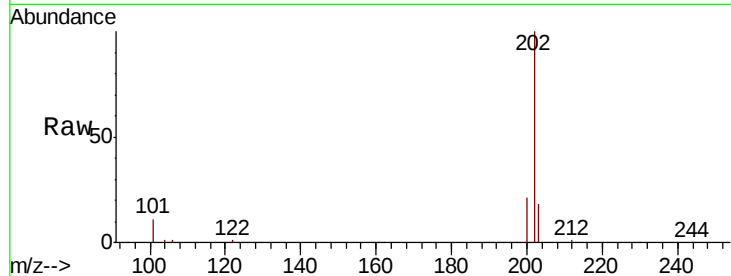
#26
 Fluoranthene
 Concen: 0.484 ng
 RT: 19.12 min Scan# 1883
 Delta R.T. -0.02 min
 Lab File: BN007998.D
 Acq: 04 Oct 2019 01:47

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B264-092619

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.1	8.4	12.6
203	17.9	13.8	20.8

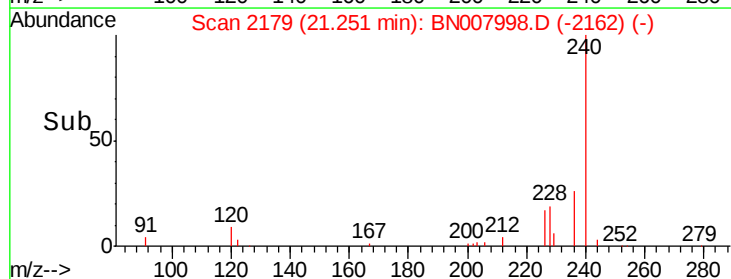
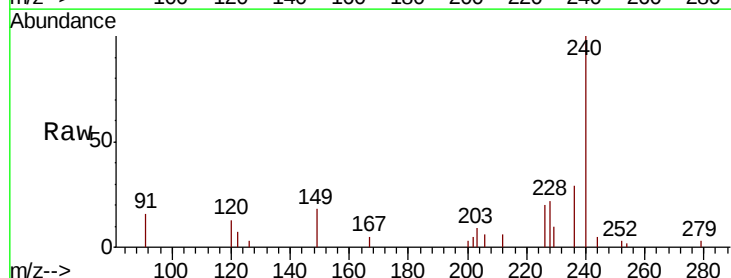
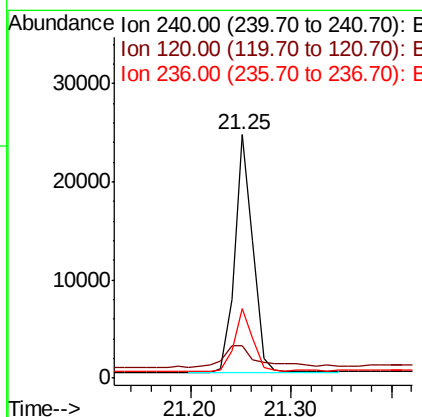
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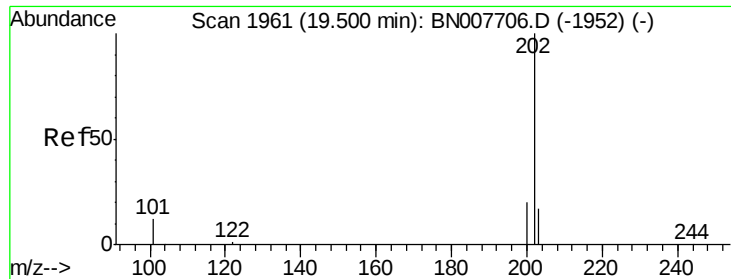
mohammad
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.25 min Scan# 2179
 Delta R.T. -0.02 min
 Lab File: BN007998.D
 Acq: 04 Oct 2019 01:47

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.3	5.4	8.2#
236	28.6	21.0	31.4





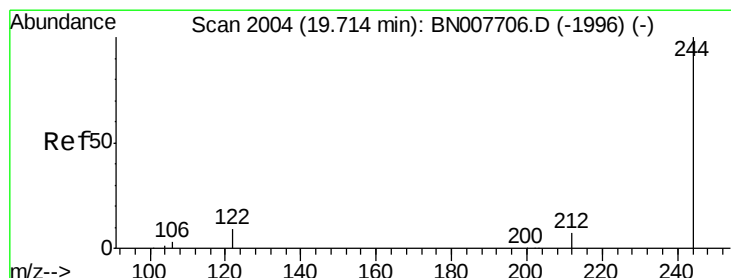
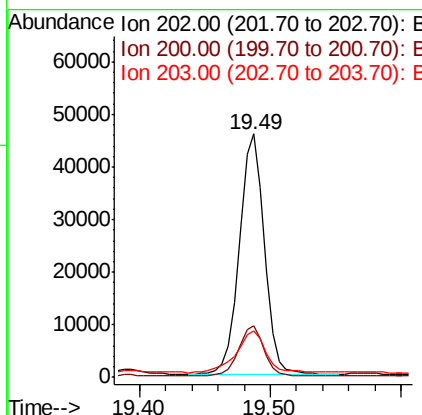
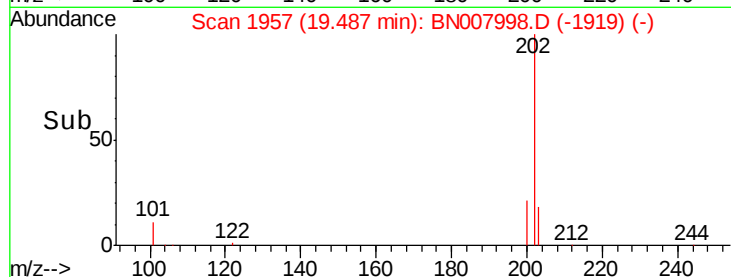
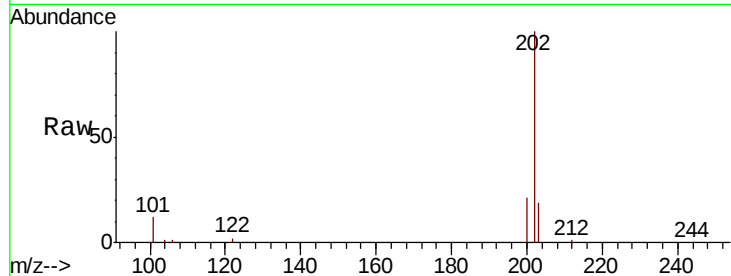
#28
Pvrene
Concen: 0.582 ng
RT: 19.49 min Scan# 1957
Delta R.T. -0.01 min
Lab File: BN007998.D
Acq: 04 Oct 2019 01:47

Instrument :
BNA_N
ClientSampleId :
PST-024-B264-092619

Tot Ion	Ratio	Resp	Lower	Upper
202	100	61102		
200	20.9		16.4	24.6
203	20.5		14.1	21.1

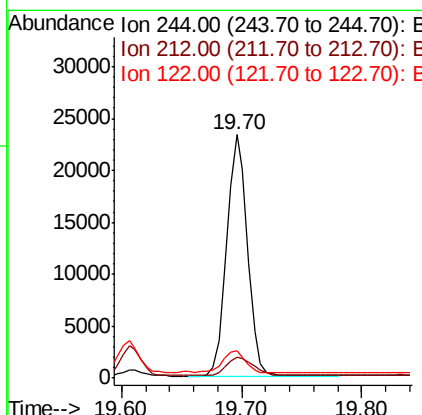
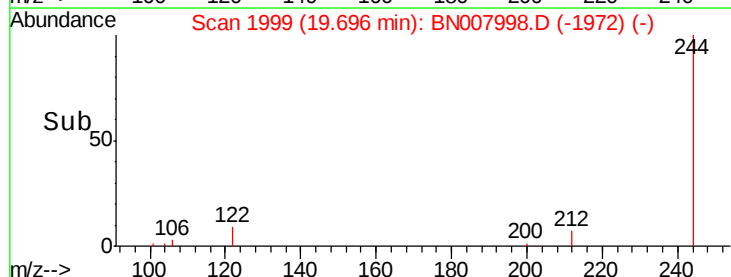
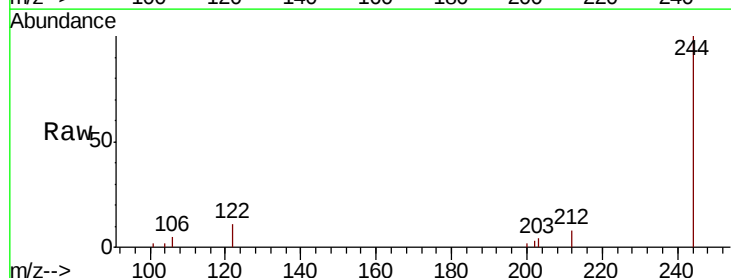
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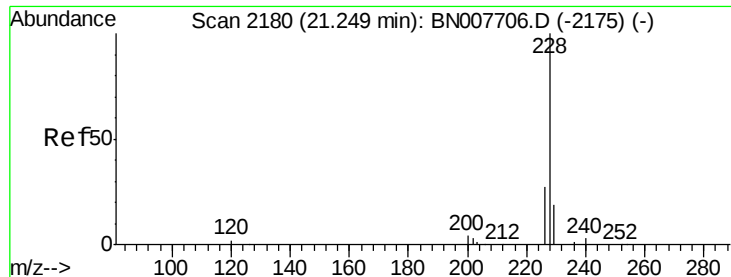
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#29
Terphenyl-d14
Concen: 0.367 ng
RT: 19.70 min Scan# 1999
Delta R.T. -0.02 min
Lab File: BN007998.D
Acq: 04 Oct 2019 01:47

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	27749		
212	8.5		5.9	8.9
122	11.3		7.4	11.2#





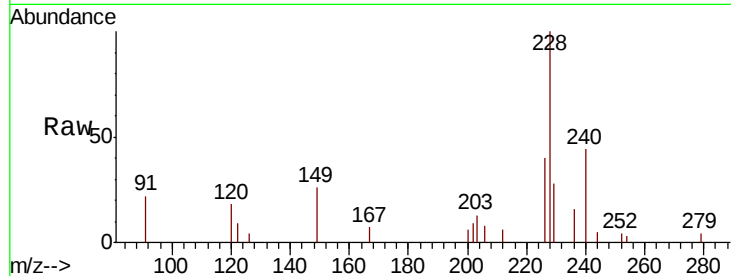
#30
Benzo(a)anthracene
Concen: 0.252 ng
RT: 21.24 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BN007998.D
Acq: 04 Oct 2019 01:47

Instrument :
BNA_N
ClientSampleId :
PST-024-B264-092619

Tot Ion	Ratio	Lower	Upper
228	100		
226	39.5	22.1	33.1#
229	27.7	15.8	23.6#

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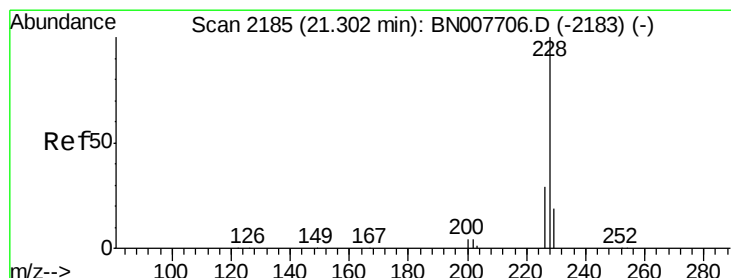
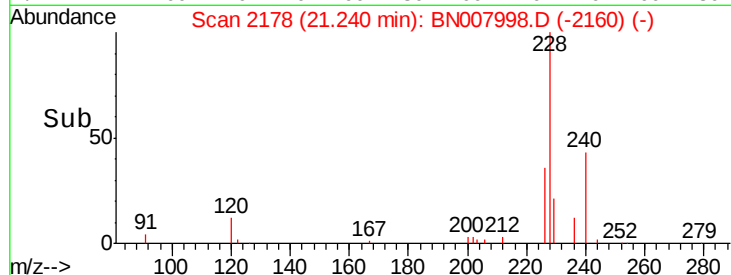
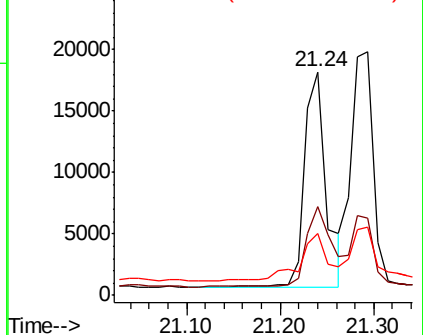


Abundance

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: 0.281 ng
RT: 21.29 min Scan# 2183
Delta R.T. -0.01 min
Lab File: BN007998.D
Acq: 04 Oct 2019 01:47

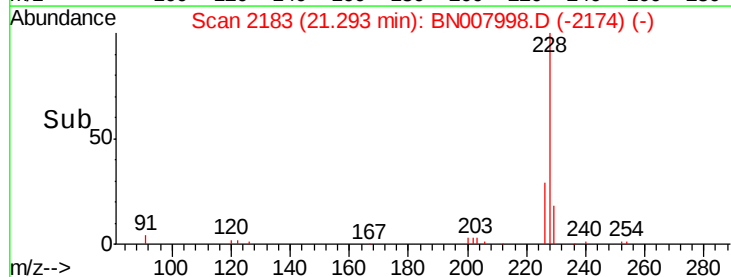
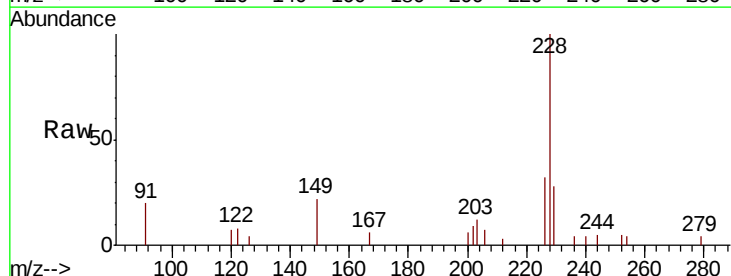
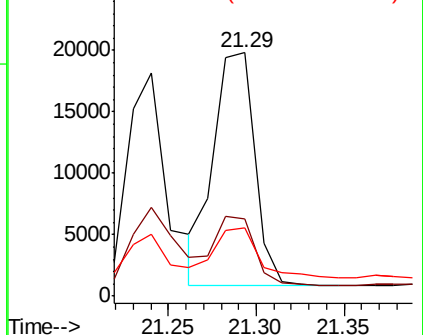
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	23.9	35.9
229	27.9	15.8	23.6#

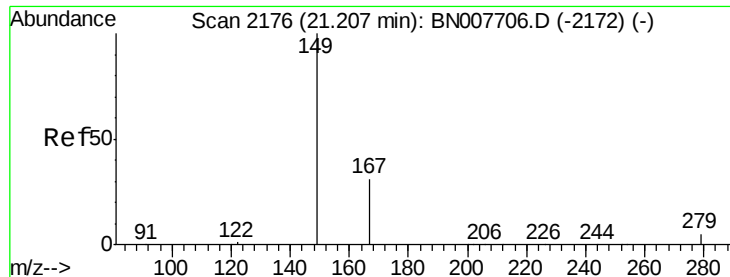
Abundance

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





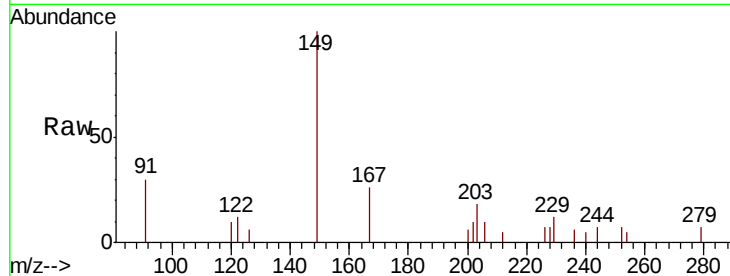
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.131 ng
 RT: 21.18 min Scan# 2172
 Delta R.T. -0.03 min
 Lab File: BN007998.D
 Acq: 04 Oct 2019 01:47

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B264-092619

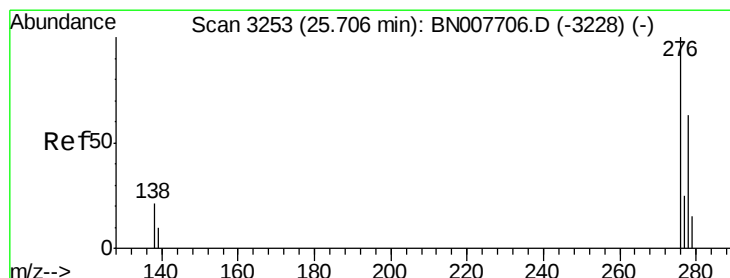
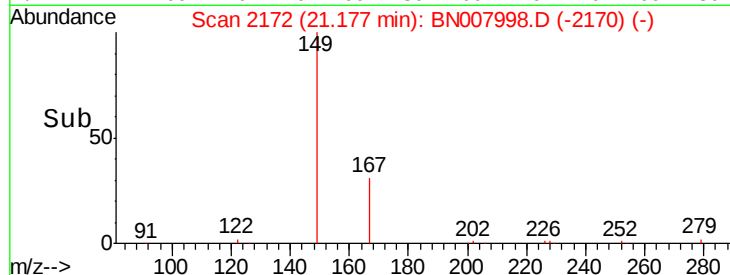
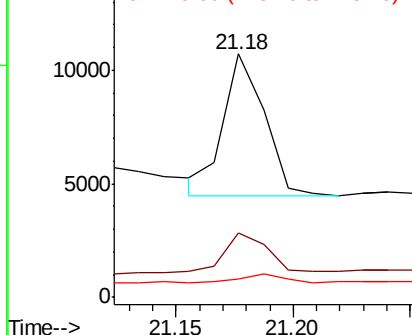
Tot Ion	Ratio	Lower	Upper
149	100		
167	26.8	23.7	35.5
279	5.1	4.2	6.2

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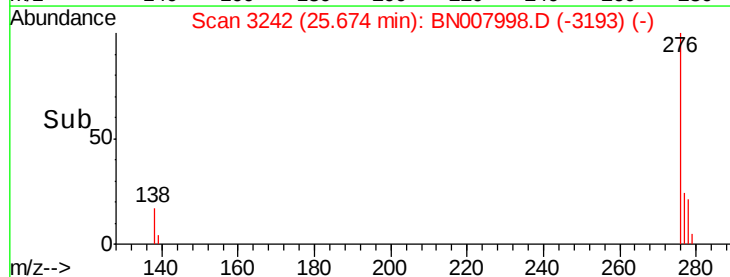
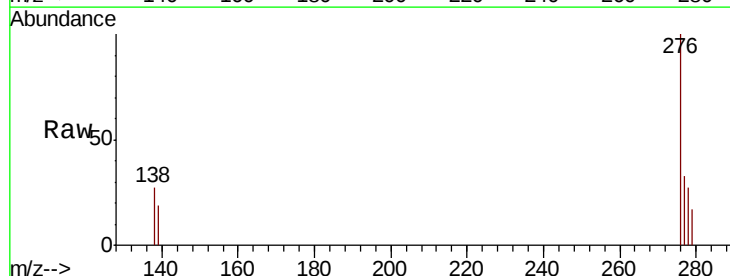
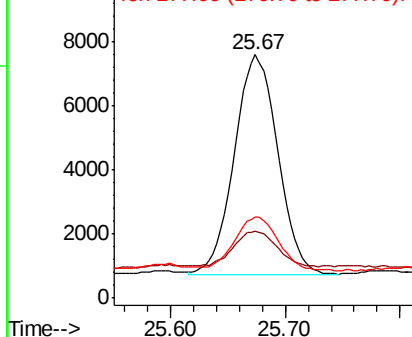
Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

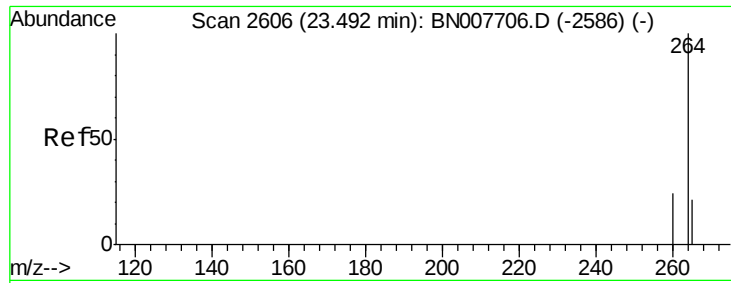


#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.130 ng
 RT: 25.67 min Scan# 3242
 Delta R.T. -0.03 min
 Lab File: BN007998.D
 Acq: 04 Oct 2019 01:47

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.7	17.1	25.7#
277	25.1	20.0	30.0

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





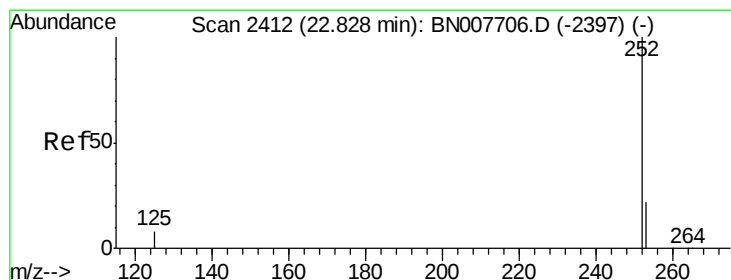
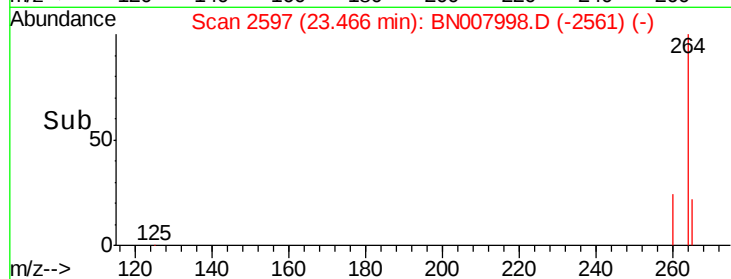
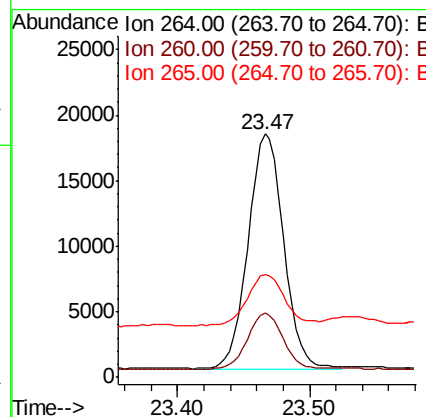
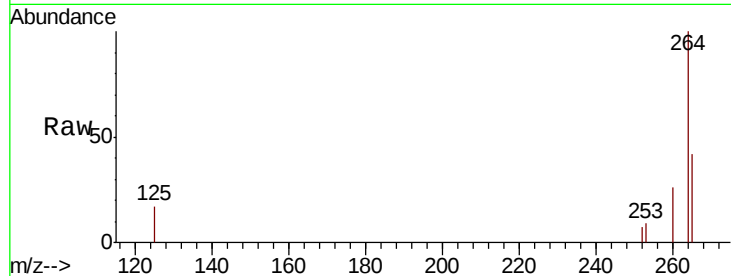
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.47 min Scan# 2597
Delta R.T. -0.03 min
Lab File: BN007998.D
Acq: 04 Oct 2019 01:47

Instrument :
BNA_N
ClientSampleId :
PST-024-B264-092619

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.4	19.3	28.9
265	42.3	26.9	40.3

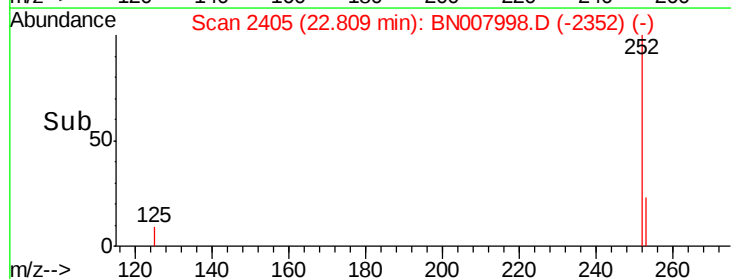
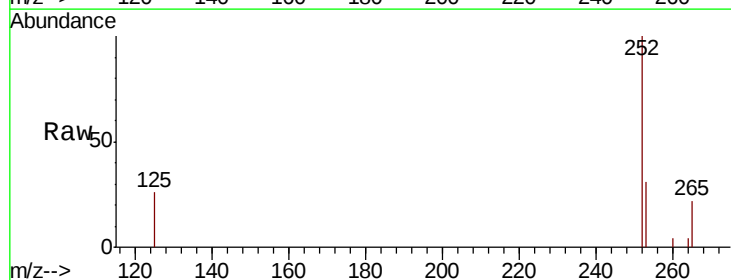
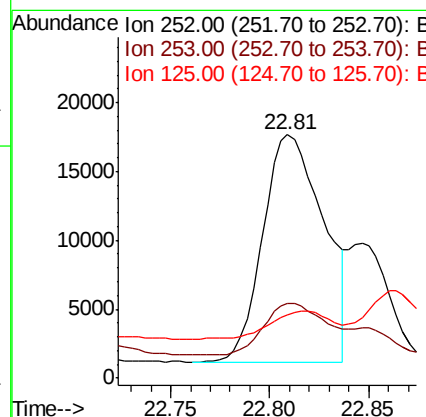
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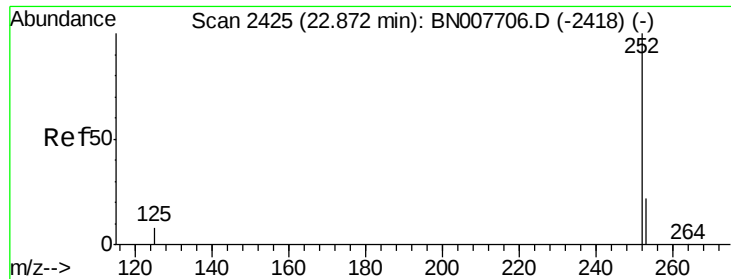
mohammad
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#35
Benzo(b)fluoranthene
Concen: 0.302 ng
RT: 22.81 min Scan# 2405
Delta R.T. -0.02 min
Lab File: BN007998.D
Acq: 04 Oct 2019 01:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.7	18.3	27.5
125	26.1	8.2	12.4





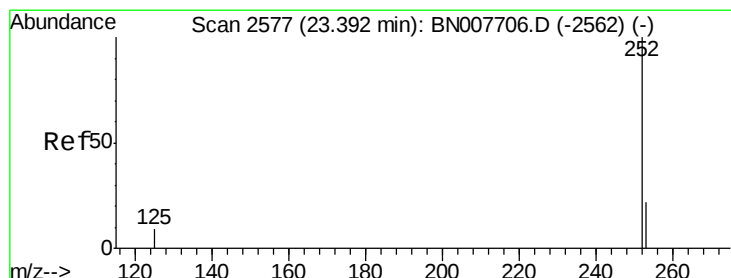
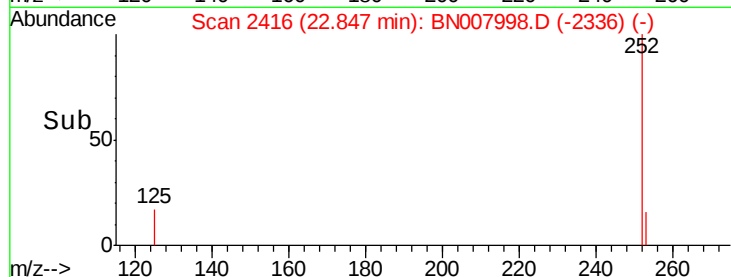
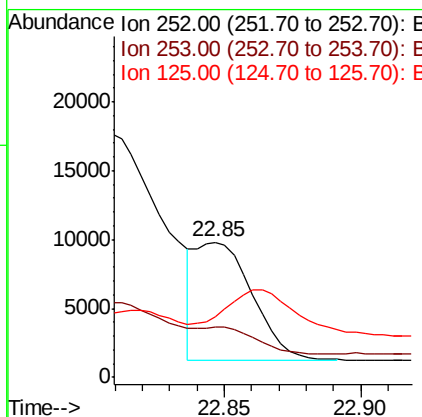
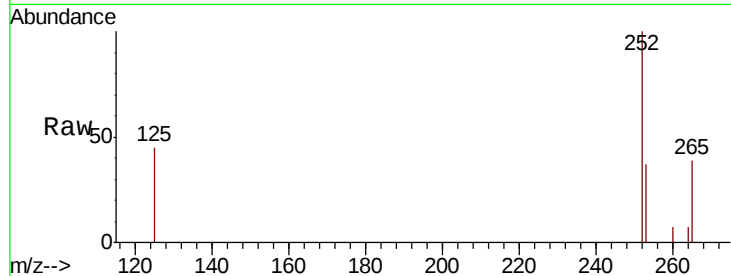
#36
Benzo(k)fluoranthene
Concen: 0.106 ng/mL
RT: 22.85 min Scan# 2416
Delta R.T. -0.03 min
Lab File: BN007998.D
Acq: 04 Oct 2019 01:47

Instrument :
BNA_N
ClientSampleId :
PST-024-B264-092619

Tot Ion	Ratio	Lower	Upper
252	100		
253	37.1	18.5	27.7#
125	45.2	8.4	12.6#

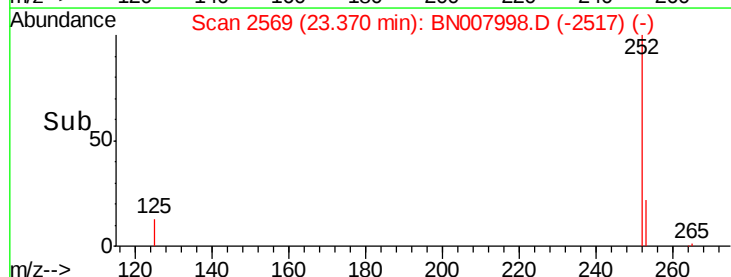
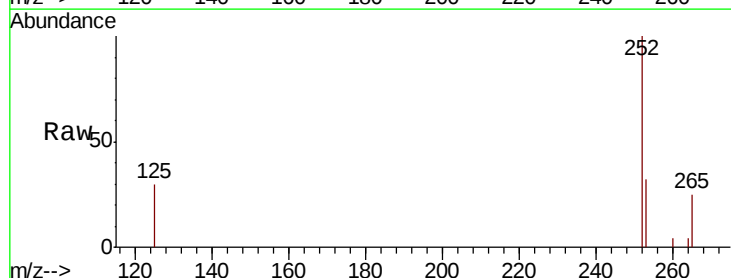
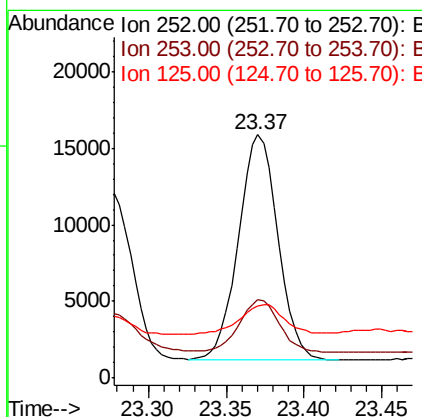
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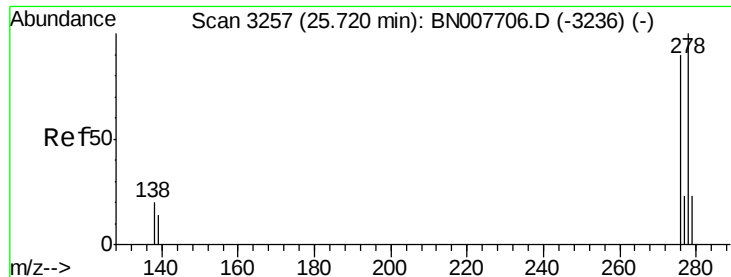
mohammad
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#37
Benzo(a)pyrene
Concen: 0.236 ng/mL
RT: 23.37 min Scan# 2569
Delta R.T. -0.02 min
Lab File: BN007998.D
Acq: 04 Oct 2019 01:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.2	18.6	27.8#
125	29.9	9.4	14.0#





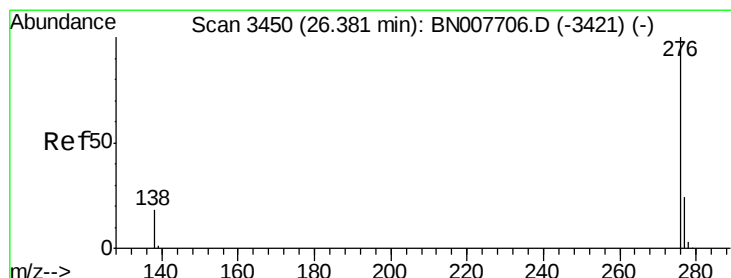
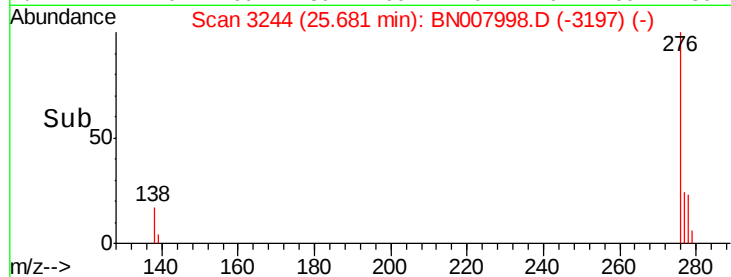
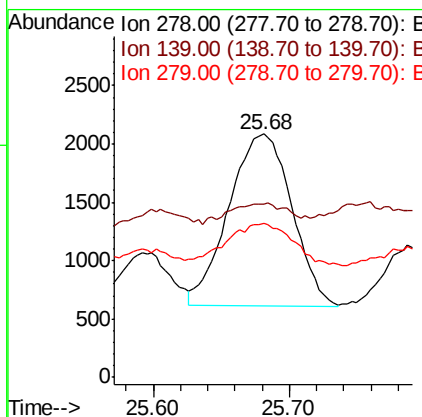
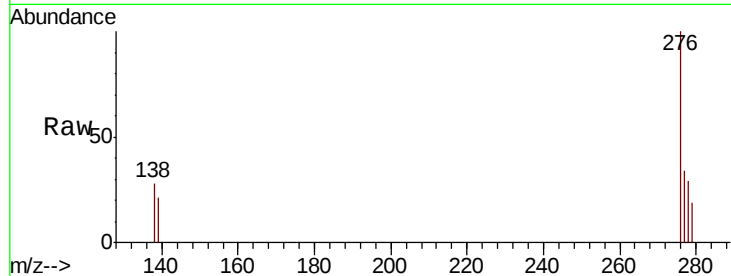
#38
Dibenzo(a,h)anthracene
Concen: 0.042 ng
RT: 25.68 min Scan# 3244
Delta R.T. -0.04 min
Lab File: BN007998.D
Acq: 04 Oct 2019 01:47

Instrument :
BNA_N
ClientSampleId :
PST-024-B264-092619

Tot Ion:278 Resp: 4739
Ion Ratio Lower Upper
278 100
139 71.0 11.8 17.6#
279 63.0 19.4 29.2#

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#39
Benzo(g,h,i)perylene
Concen: 0.166 ng
RT: 26.35 min Scan# 3439
Delta R.T. -0.03 min
Lab File: BN007998.D
Acq: 04 Oct 2019 01:47

Tgt Ion:276 Resp: 18438
Ion Ratio Lower Upper
276 100
277 34.2 19.8 29.8#
138 29.2 15.1 22.7#

