

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100319\
 Data File : BN007988.D
 Acq On : 03 Oct 2019 19:47
 Operator : JU
 Sample : K5077-06
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B276-092519

Manual Integrations
 APPROVED

mohammad
 10/7/2019 8:27:17 AM

Quant Time: Oct 04 08:36:14 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	4659	0.40	ng	-0.02
7) Naphthalene-d8	10.46	136	19337	0.40	ng	-0.01
13) Acenaphthene-d10	14.30	164	12329	0.40	ng	-0.02
19) Phenanthrene-d10	17.05	188	26219	0.40	ng	-0.02
27) Chrysene-d12	21.25	240	29261	0.40	ng	-0.02
34) Perylene-d12	23.46	264	32401	0.40	ng	-0.03

System Monitoring Compounds

4) 2-Fluorophenol	5.30	112	5213	0.33	ng	-0.02
5) Phenol-d6	6.86	99	7338	0.37	ng	0.00
8) Nitrobenzene-d5	8.82	82	5520	0.33	ng	-0.01
11) 2-Methylnaphthalene-d10	12.04	152	11482	0.35	ng	-0.02
14) 2,4,6-Tribromophenol	15.81	330	2318	0.35	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	15810	0.31	ng	-0.01
25) Fluoranthene-d10	19.09	212	31456	0.36	ng	-0.02
29) Terphenyl-d14	19.69	244	24901	0.35	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.49	128	4850	0.089	ng	# 93
12) 2-Methylnaphthalene	12.12	142	3482	0.095	ng	95
16) Acenaphthylene	14.02	152	41421	0.633	ng	99
17) Acenaphthene	14.37	154	5051	0.120	ng	93
18) Fluorene	15.36	166	12123	0.224	ng	# 89
23) Phenanthrene	17.09	178	281256	3.444	ng	100
24) Anthracene	17.19	178	36002	0.488	ng	98
26) Fluoranthene	19.12	202	487384	4.799	ng	99
28) Pyrene	19.48	202	468496	4.695	ng	97
30) Benzo(a)anthracene	21.24	228	202295m	1.877	ng	
31) Chrysene	21.28	228	254065	2.419	ng	99
32) Bis(2-ethylhexyl)phthalate	21.17	149	12562	0.227	ng	97
33) Indeno(1,2,3-cd)pyrene	25.67	276	174736	1.329	ng	95
35) Benzo(b)fluoranthene	22.80	252	352927	3.138	ng	99
36) Benzo(k)fluoranthene	22.84	252	107803m	0.969	ng	
37) Benzo(a)pyrene	23.36	252	220359	2.085	ng	99
38) Dibenzo(a,h)anthracene	25.67	278	42634	0.394	ng	# 92
39) Benzo(a,h,i)perylene	26.34	276	177652	1.660	ng	99

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

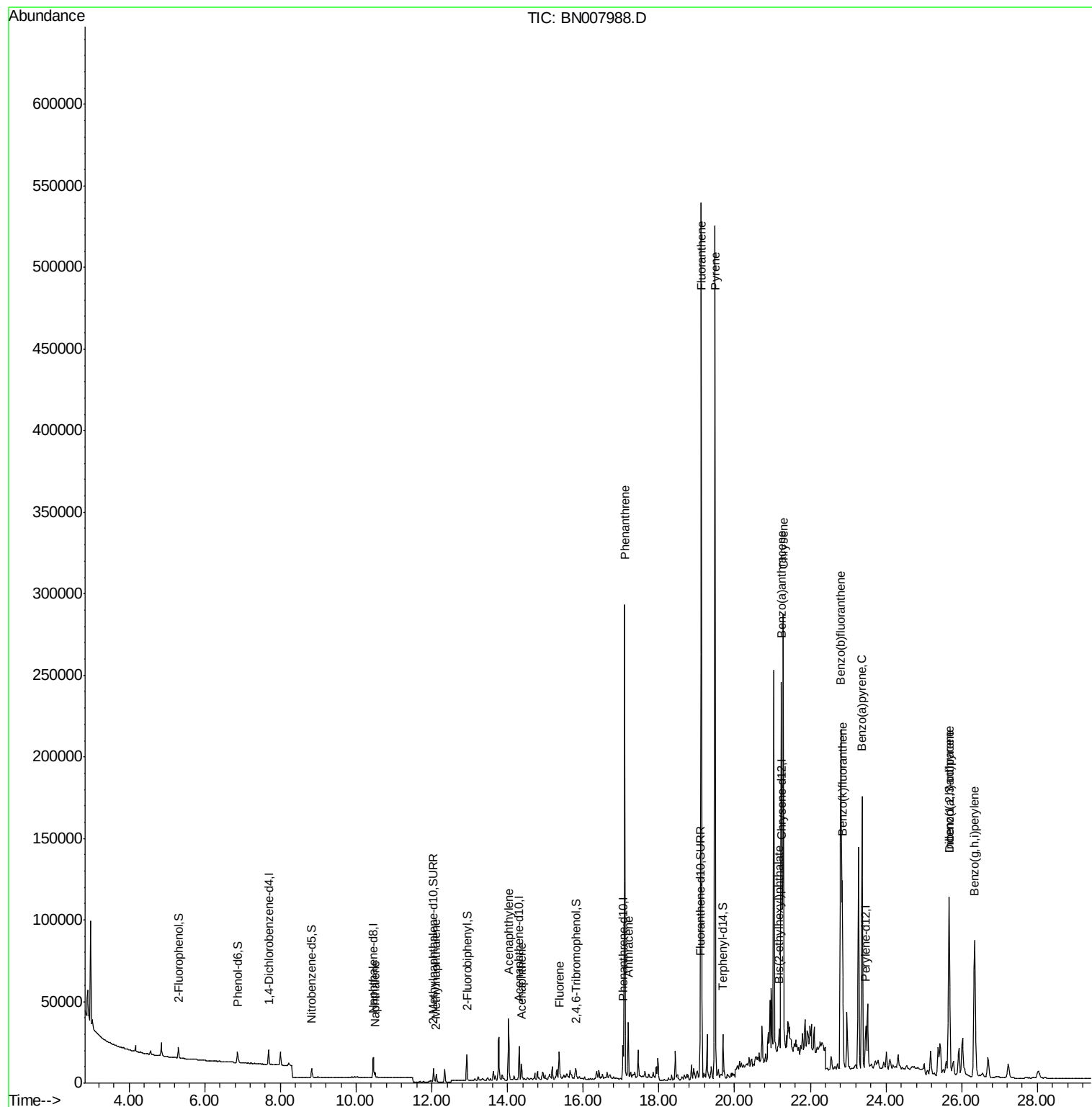
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100319\
Data File : BN007988.D
Acq On : 03 Oct 2019 19:47
Operator : JU
Sample : K5077-06
Misc :
ALS Vial : 5 Sample Multiplier: 1

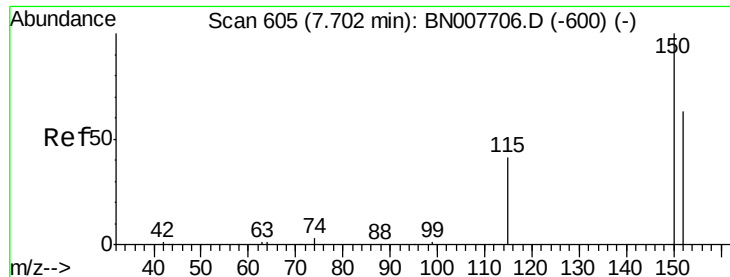
Instrument :
BNA_N
ClientSampleId :
PST-024-B276-092519

Quant Time: Oct 04 08:36:14 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
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#1

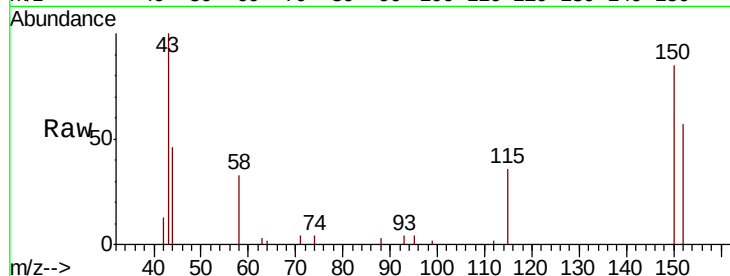
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 603
Delta R.T. -0.02 min
Lab File: BN007988.D
Acq: 03 Oct 2019 19:47

Instrument :
BNA_N
ClientSampleId :
PST-024-B276-092519

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.3	125.6	188.4
115	63.5	53.3	79.9

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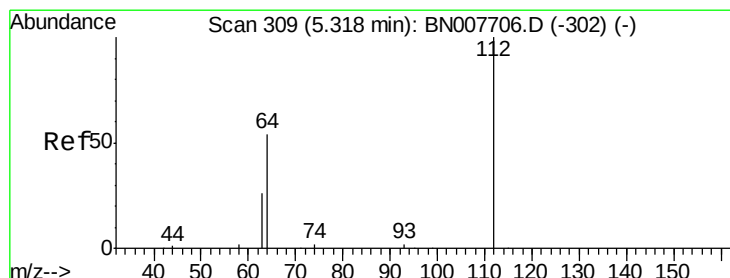
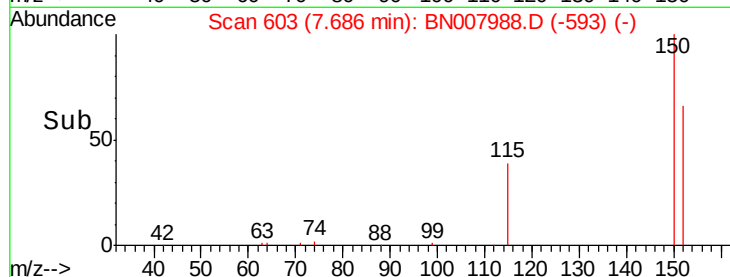
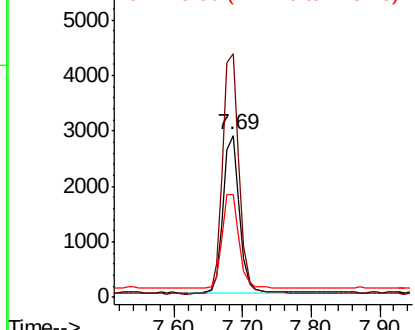


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

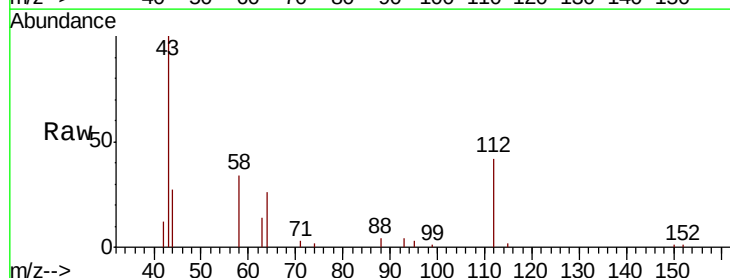
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.325 ng
RT: 5.30 min Scan# 307
Delta R.T. -0.02 min
Lab File: BN007988.D
Acq: 03 Oct 2019 19:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	46.6	70.0
63	28.4	23.1	34.7

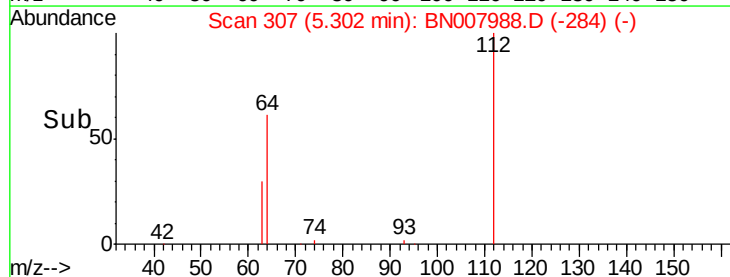
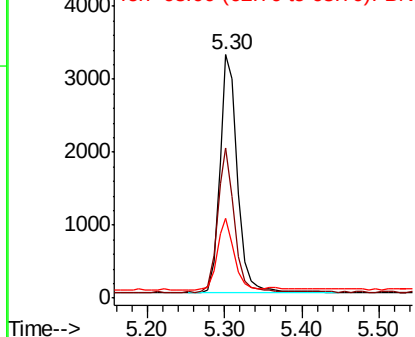


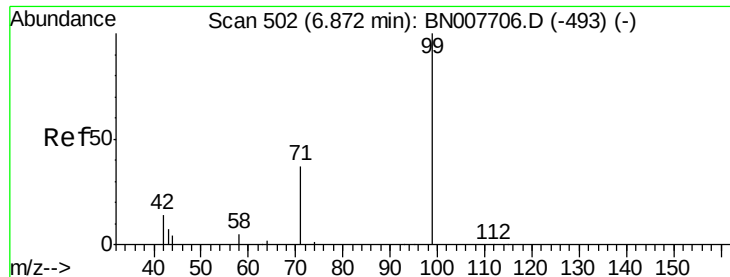
Abundance

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: 0.367 ng

RT: 6.86 min Scan# 501

Delta R.T. -0.01 min

Lab File: BN007988.D

Acq: 03 Oct 2019 19:47

Instrument :

BNA_N

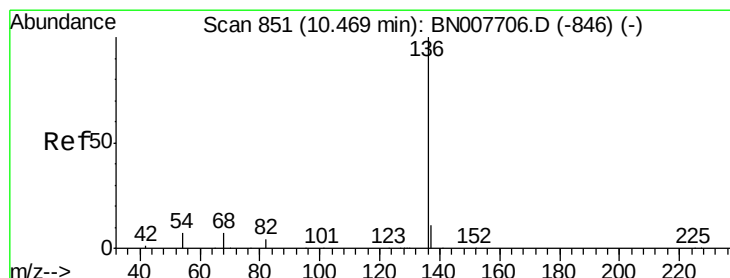
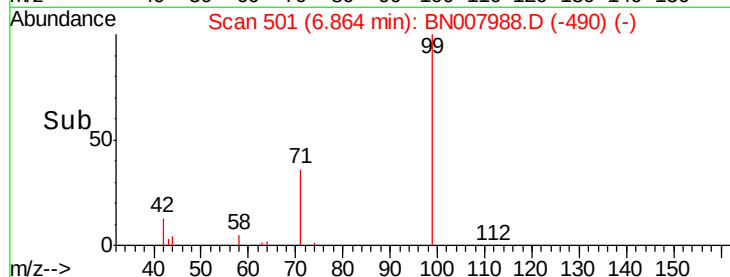
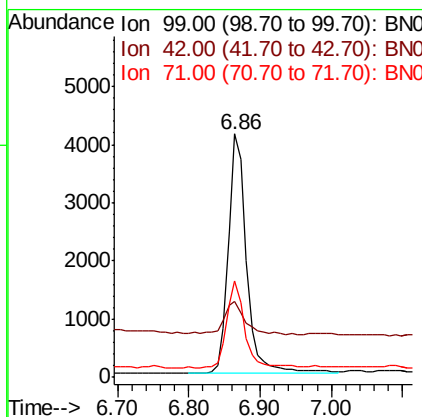
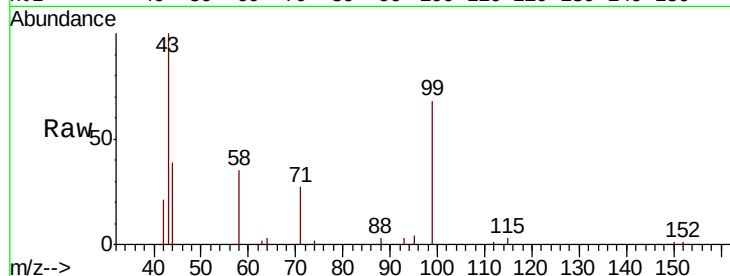
ClientSampleId :

PST-024-B276-092519

Tot Ion:	99	Resp:	7338
Ion	Ratio	Lower	Upper
99	100		
42	15.4	12.8	19.2
71	36.4	27.6	41.4

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#7

Naphthalene-d8

Concen: 0.400 ng

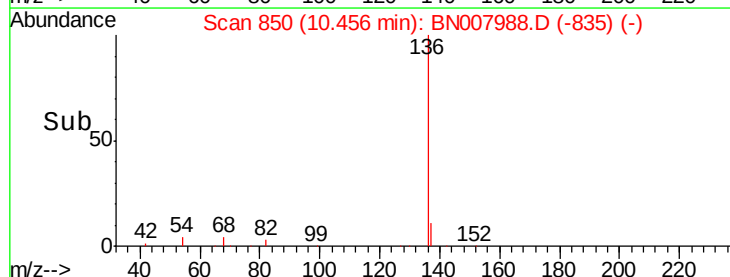
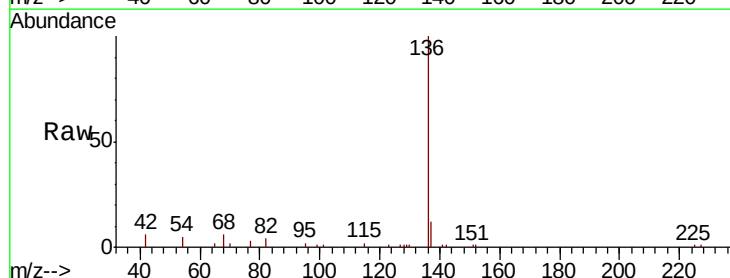
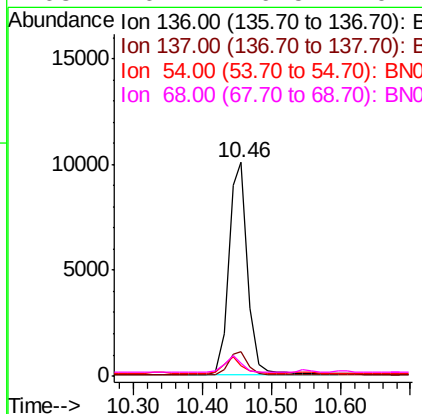
RT: 10.46 min Scan# 850

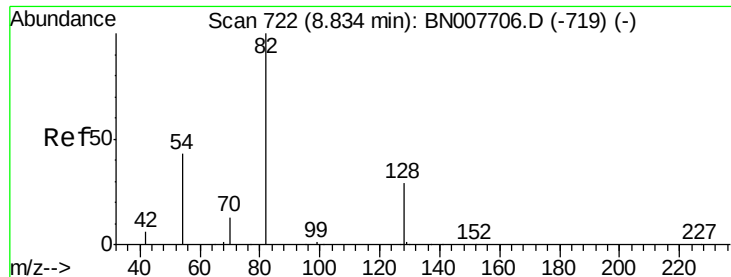
Delta R.T. -0.01 min

Lab File: BN007988.D

Acq: 03 Oct 2019 19:47

Tgt Ion:	136	Resp:	19337
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	5.1	5.8	8.8#
68	6.1	6.5	9.7#





#8

Nitrobenzene-d5

Concen: 0.326 ng

RT: 8.82 min Scan# 721

Delta R.T. -0.01 min

Lab File: BN007988.D

Acq: 03 Oct 2019 19:47

Instrument :

BNA_N

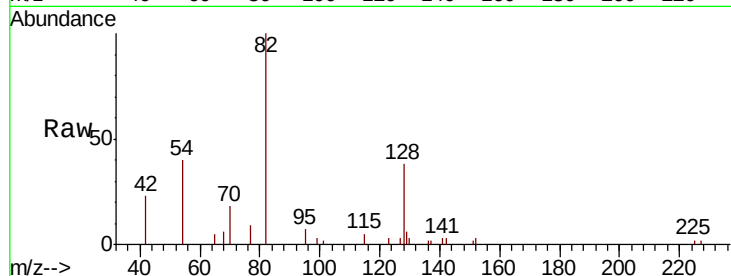
ClientSampleId :

PST-024-B276-092519

Tot Ion:	82	Resp:	5520
Ion	Ratio	Lower	Upper
82	100		
128	37.6	24.5	36.7#
54	40.3	35.2	52.8

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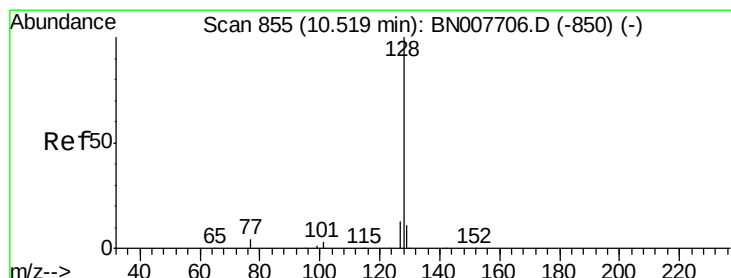
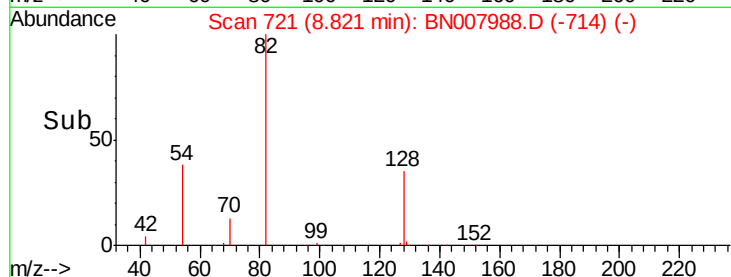
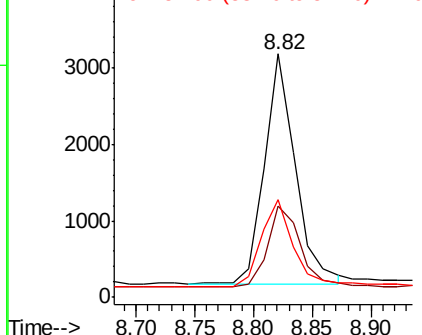
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Abundance Ion 82.00 (81.70 to 82.70): BN007706.D (-719) (-)

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

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



#9

Naphthalene

Concen: 0.089 ng

RT: 10.49 min Scan# 853

Delta R.T. -0.03 min

Lab File: BN007988.D

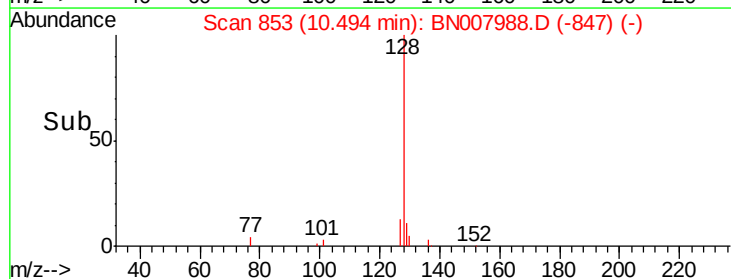
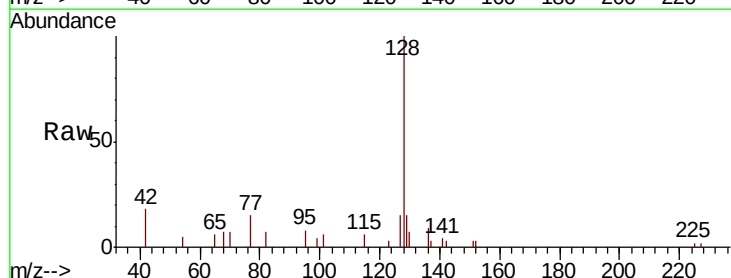
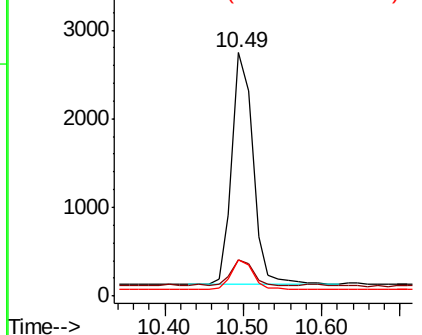
Acq: 03 Oct 2019 19:47

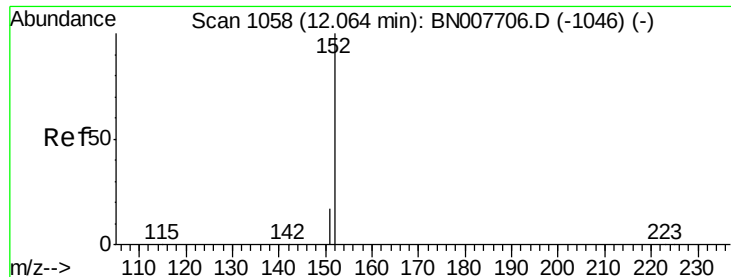
Tgt Ion:	128	Resp:	4850
Ion	Ratio	Lower	Upper
128	100		
129	14.7	9.1	13.7#
127	15.1	10.6	15.8

Abundance Ion 128.00 (127.70 to 128.70): BN007706.D (-850) (-)

Ion 129.00 (128.70 to 129.70): BN007706.D (-850) (-)

Ion 127.00 (126.70 to 127.70): BN007706.D (-850) (-)





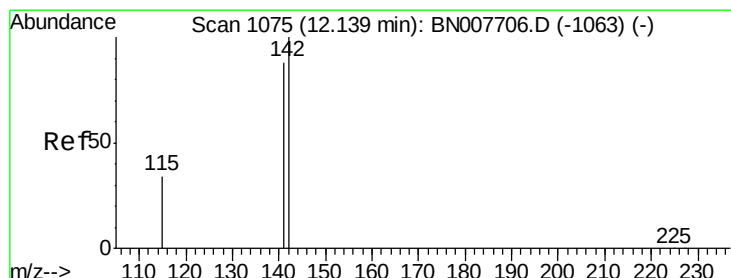
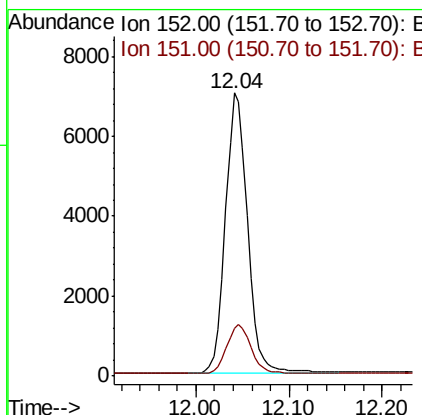
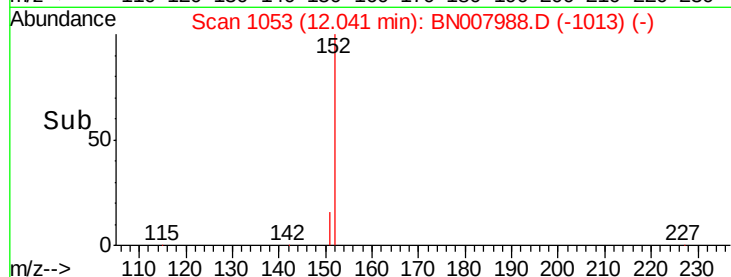
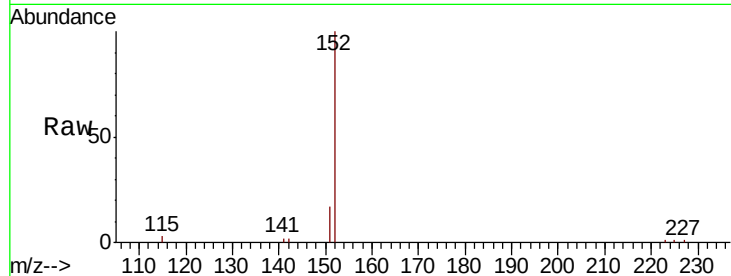
#11
2-Methylnaphthalene-d10
Concen: 0.352 ng
RT: 12.04 min Scan# 1053
Delta R.T. -0.02 min
Lab File: BN007988.D
Acq: 03 Oct 2019 19:47

Instrument :
BNA_N
ClientSampleId :
PST-024-B276-092519

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.4	23.2

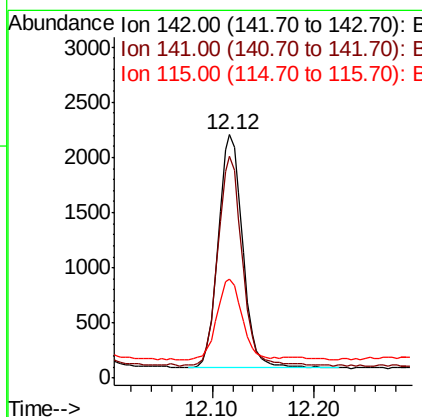
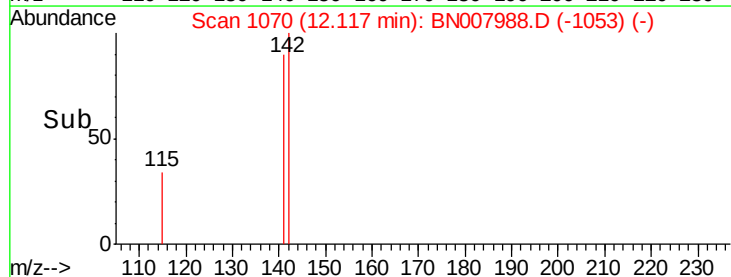
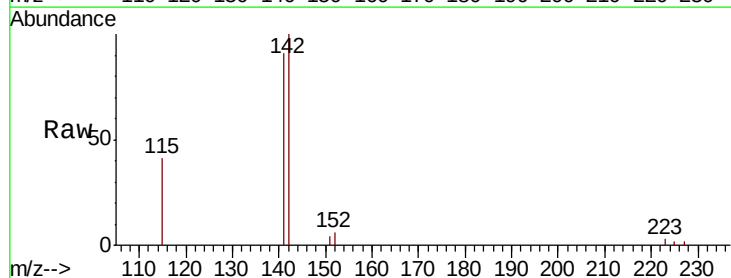
Manual Integrations
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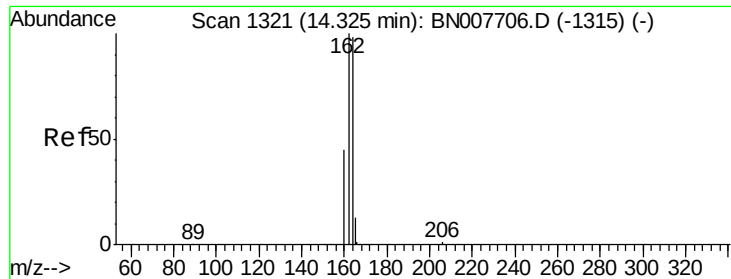
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#12
2-Methylnaphthalene
Concen: 0.095 ng
RT: 12.12 min Scan# 1070
Delta R.T. -0.02 min
Lab File: BN007988.D
Acq: 03 Oct 2019 19:47

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.4	70.6	106.0
115	40.9	28.3	42.5





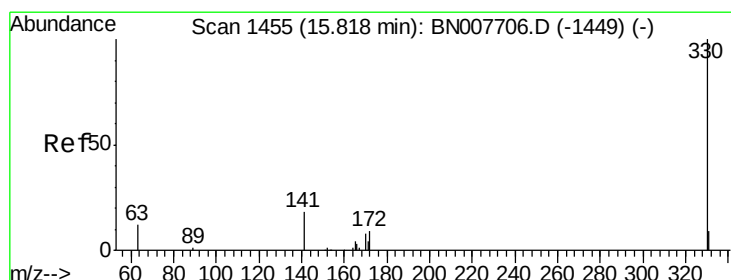
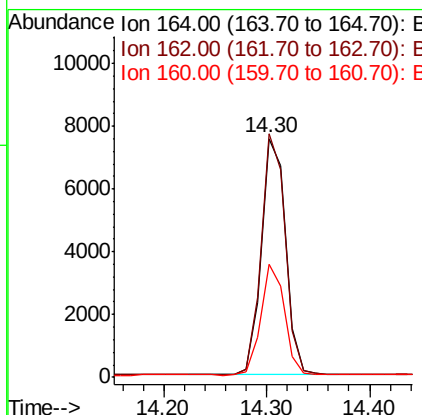
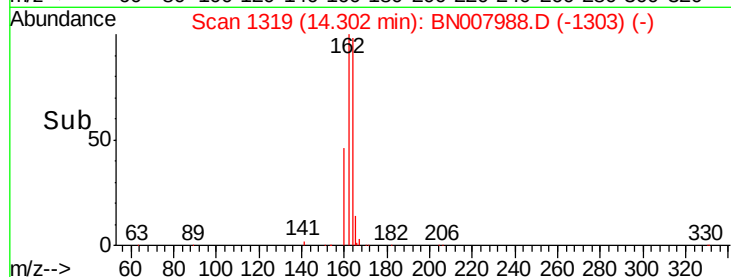
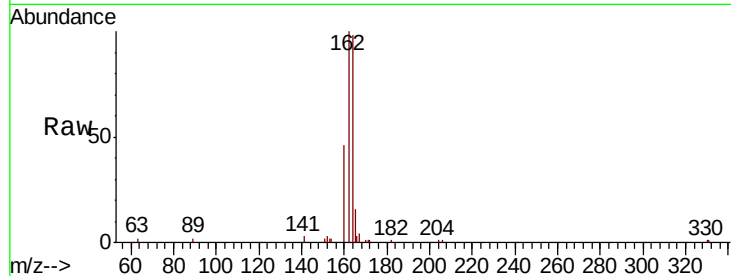
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.30 min Scan# 1319
Delta R.T. -0.02 min
Lab File: BN007988.D
Acq: 03 Oct 2019 19:47

Instrument :
BNA_N
ClientSampleId :
PST-024-B276-092519

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.9	81.7	122.5
160	47.3	37.0	55.4

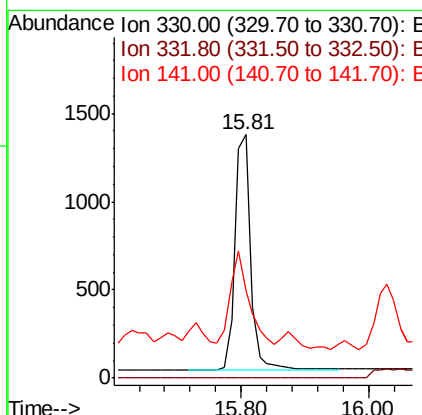
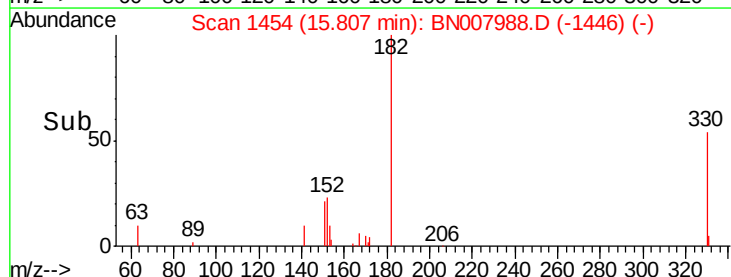
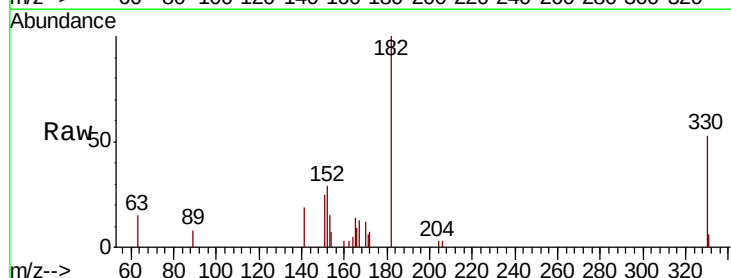
Manual Integrations
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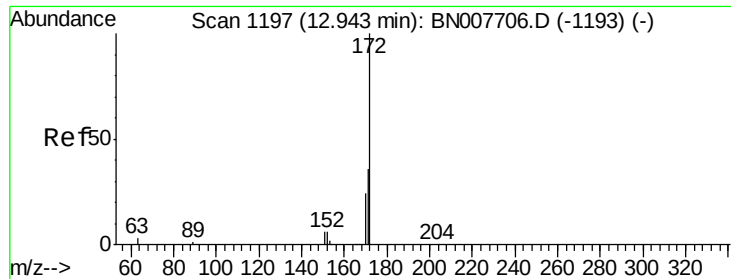
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#14
2,4,6-Tribromophenol
Concen: 0.345 ng
RT: 15.81 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BN007988.D
Acq: 03 Oct 2019 19:47

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	45.9	28.7	43.1#





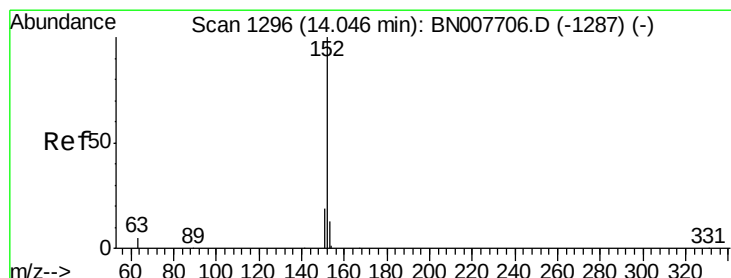
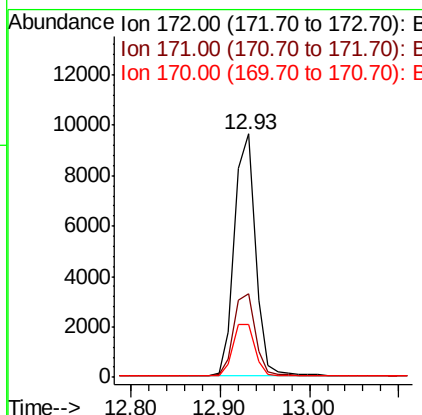
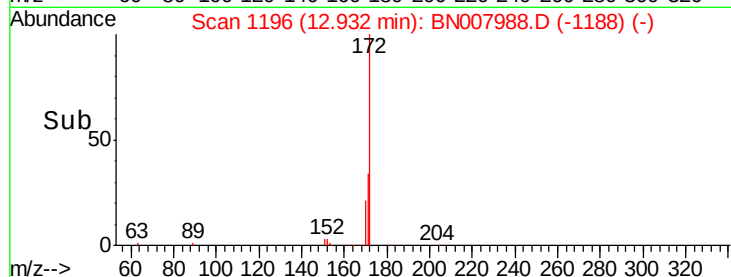
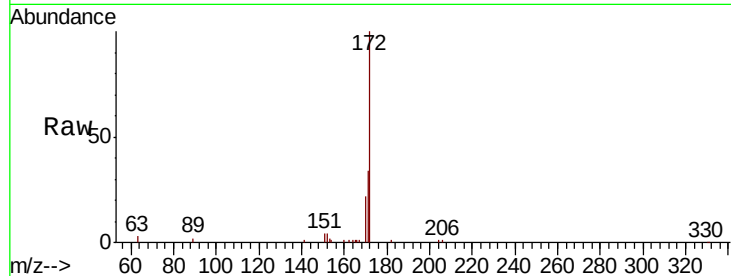
#15
2-Fluorobiphenyl
Concen: 0.311 ng
RT: 12.93 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BN007988.D
Acq: 03 Oct 2019 19:47

Instrument :
BNA_N
ClientSampleId :
PST-024-B276-092519

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.8	43.2
170	21.8	19.5	29.3

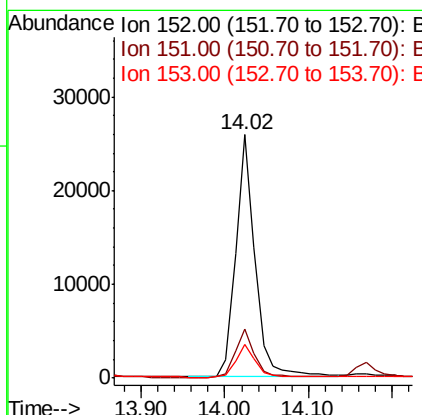
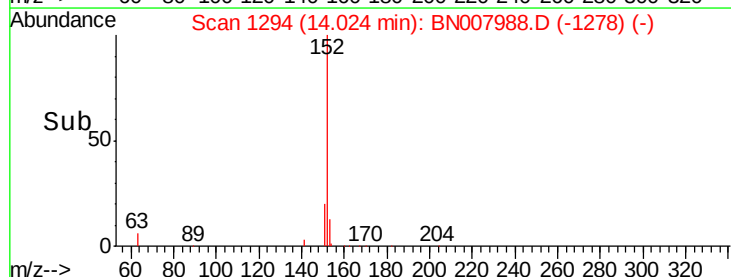
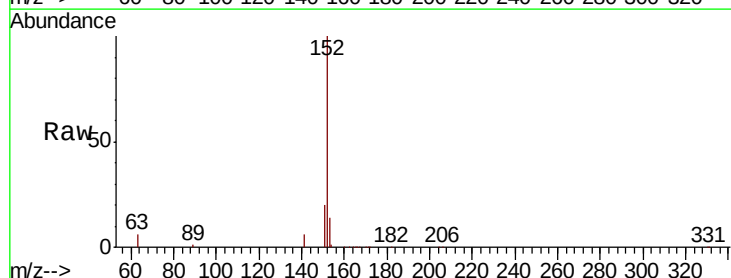
Manual Integrations
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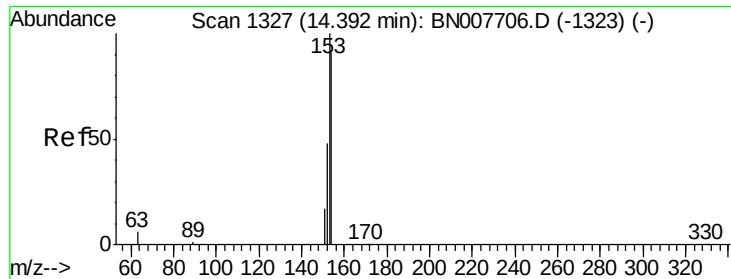
mohammad
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#16
Acenaphthylene
Concen: 0.633 ng
RT: 14.02 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BN007988.D
Acq: 03 Oct 2019 19:47

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.5	23.3
153	13.8	10.4	15.6





#17

Acenaphthene

Concen: 0.120 ng

RT: 14.37 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BN007988.D

Acq: 03 Oct 2019 19:47

Instrument :

BNA_N

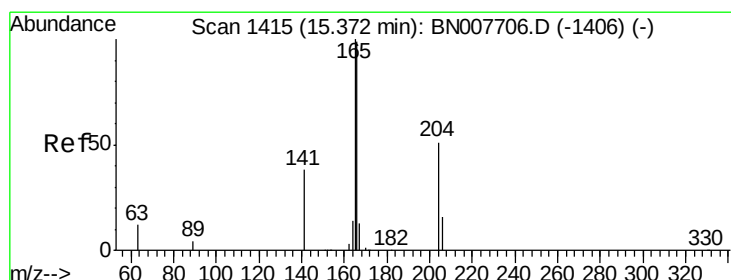
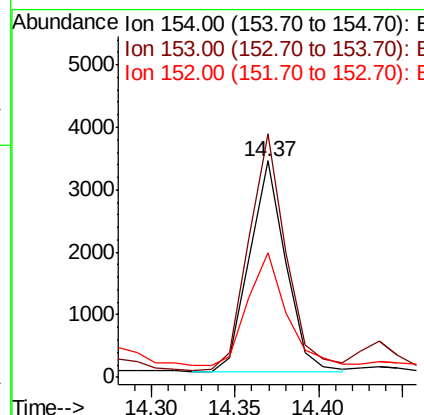
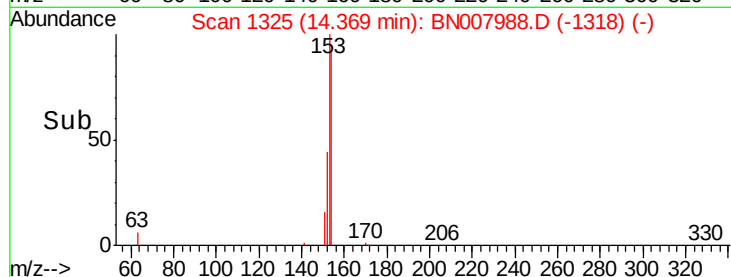
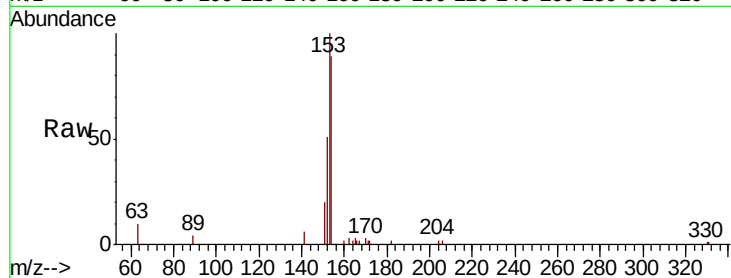
ClientSampleId :

PST-024-B276-092519

Tot Ion:	154	Resp:	5051
Ion Ratio	Lower	Upper	
154	100		
153	115.9	87.0	130.4
152	58.0	42.7	64.1

Manual Integrations
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#18

Fluorene

Concen: 0.224 ng

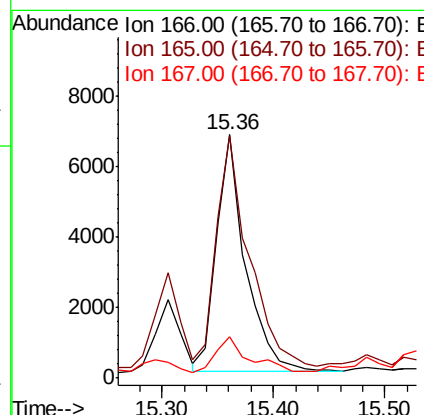
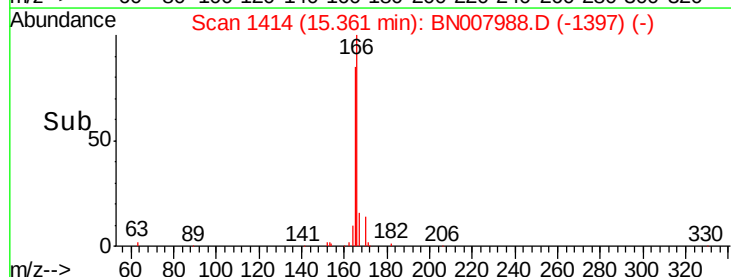
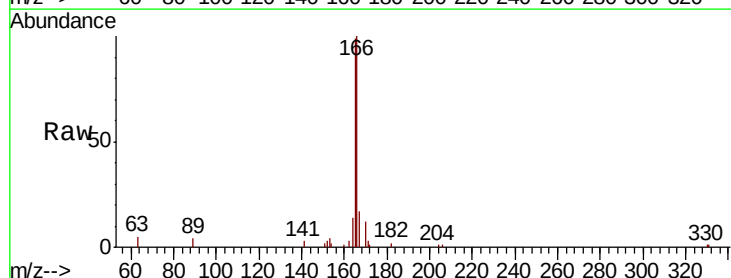
RT: 15.36 min Scan# 1414

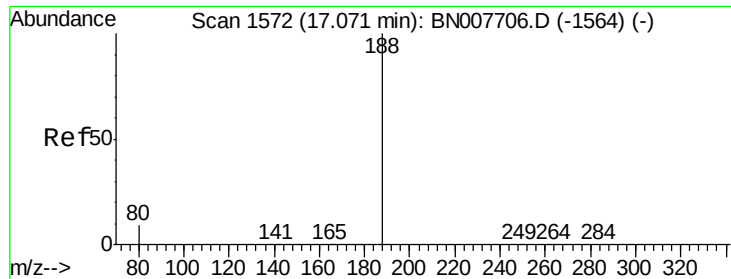
Delta R.T. -0.01 min

Lab File: BN007988.D

Acq: 03 Oct 2019 19:47

Tgt Ion:	166	Resp:	12123
Ion Ratio	Lower	Upper	
166	100		
165	109.2	78.0	117.0
167	16.9	10.9	16.3#





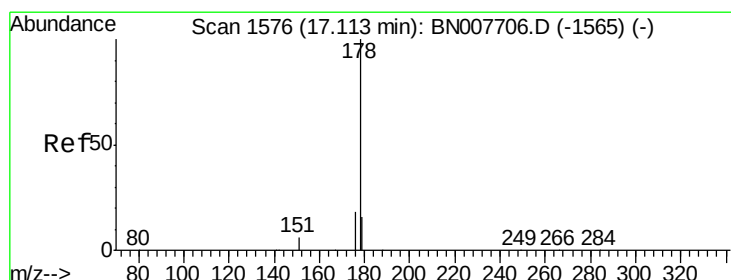
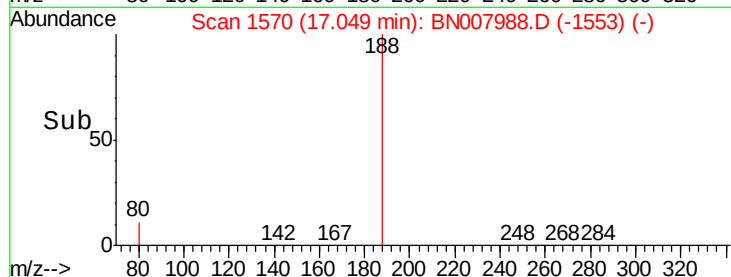
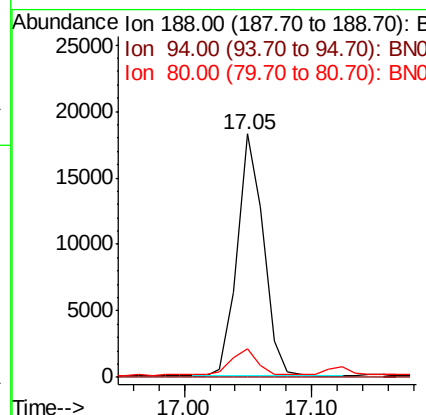
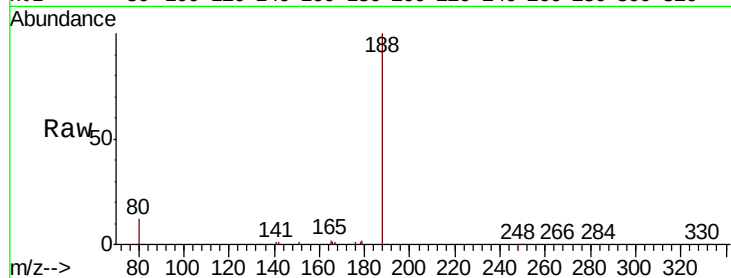
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BN007988.D
Acq: 03 Oct 2019 19:47

Instrument :
BNA_N
ClientSampleId :
PST-024-B276-092519

Tot Ion	Ratio	Resp	Lower	Upper
188	100	26219		
94	0.0	0.0	0.0	0.0
80	11.7	7.4	11.2	

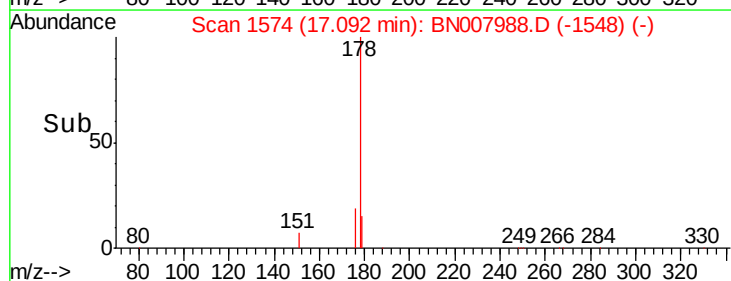
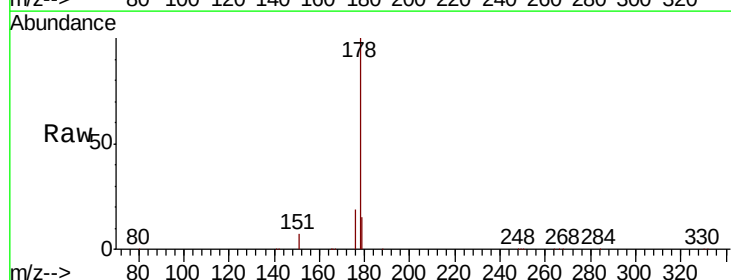
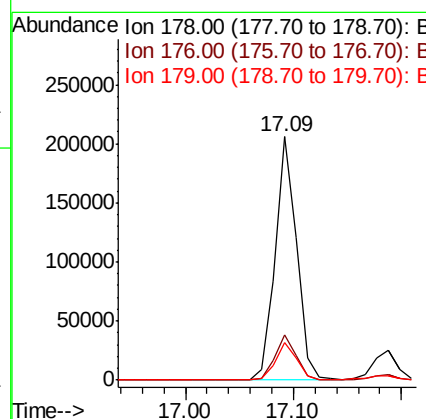
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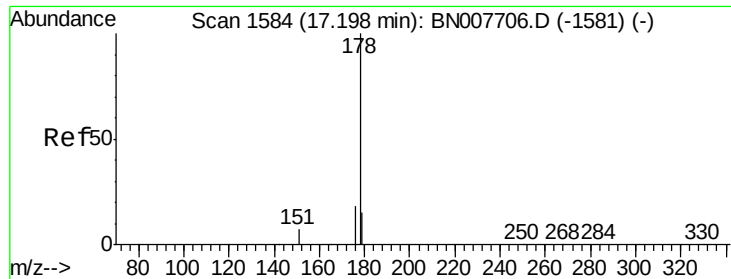
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#23
Phenanthrene
Concen: 3.444 ng
RT: 17.09 min Scan# 1574
Delta R.T. -0.02 min
Lab File: BN007988.D
Acq: 03 Oct 2019 19:47

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	281256		
176	18.5	14.9	22.3	
179	15.6	12.5	18.7	





#24

Anthracene

Concen: 0.488 ng

RT: 17.19 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BN007988.D

Acq: 03 Oct 2019 19:47

Instrument :

BNA_N

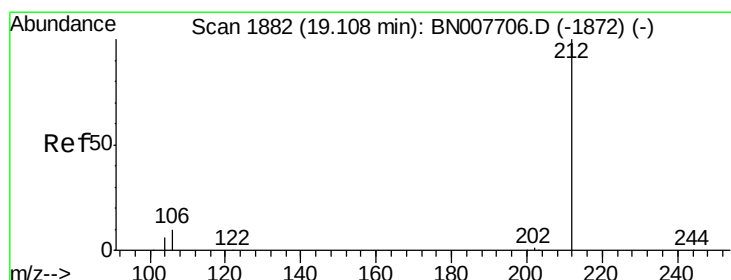
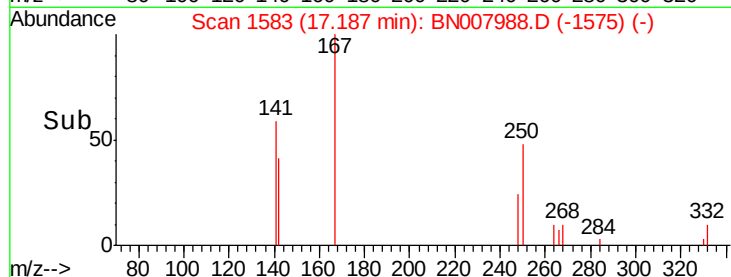
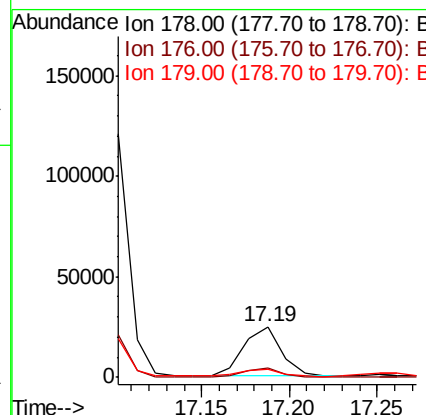
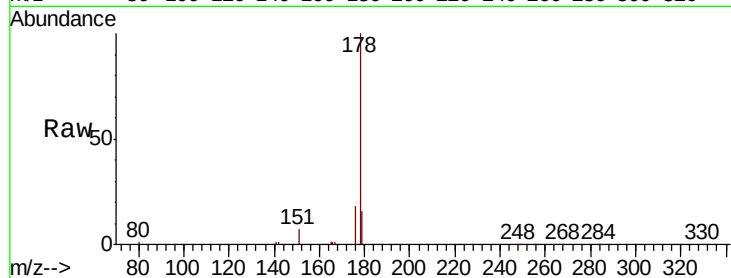
ClientSampleId :

PST-024-B276-092519

Tot Ion:178	Resp:	36002
Ion Ratio	Lower	Upper
178	100	
176	18.0	14.6 21.8
179	16.8	12.2 18.4

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#25

Fluoranthene-d10

Concen: 0.356 ng

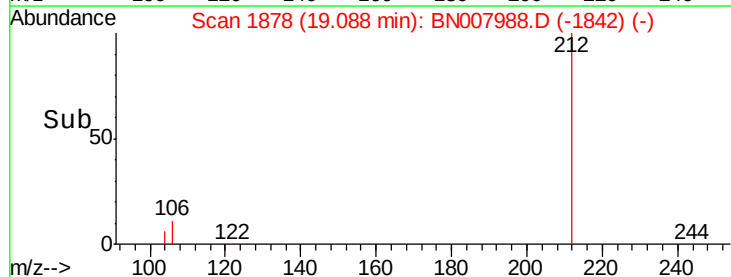
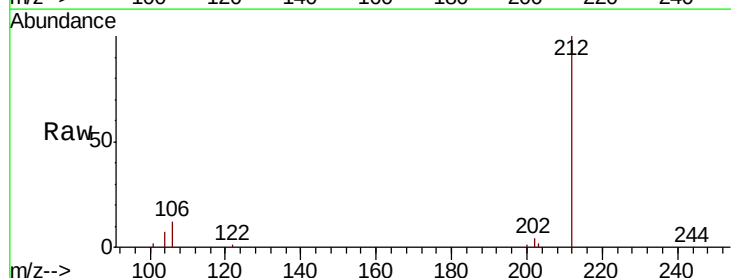
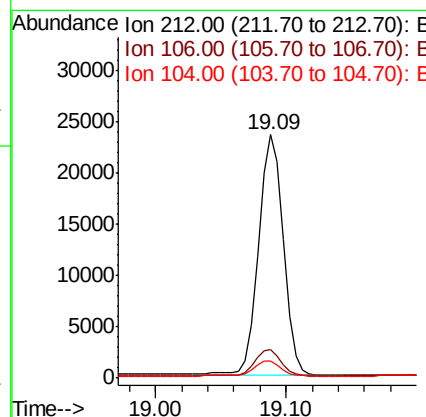
RT: 19.09 min Scan# 1878

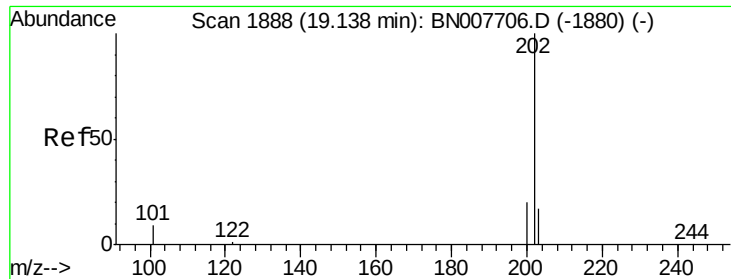
Delta R.T. -0.02 min

Lab File: BN007988.D

Acq: 03 Oct 2019 19:47

Tgt Ion:212	Resp:	31456
Ion Ratio	Lower	Upper
212	100	
106	11.3	9.4 14.0
104	6.6	5.3 7.9





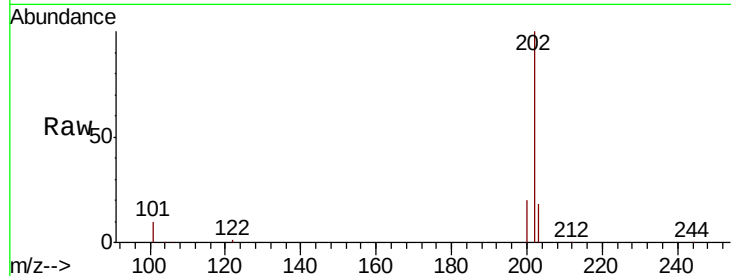
#26
Fluoranthene
 Concen: 4.799 ng
 RT: 19.12 min Scan# 1884
 Delta R.T. -0.02 min
 Lab File: BN007988.D
 Acq: 03 Oct 2019 19:47

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B276-092519

Tot Ion	Ratio	Resp	Lower	Upper
202	100	487384		
101	10.2		8.4	12.6
203	17.6		13.8	20.8

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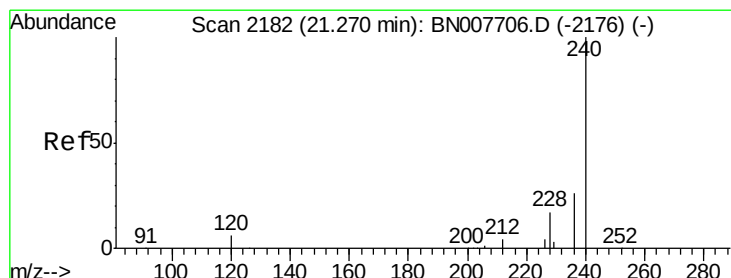
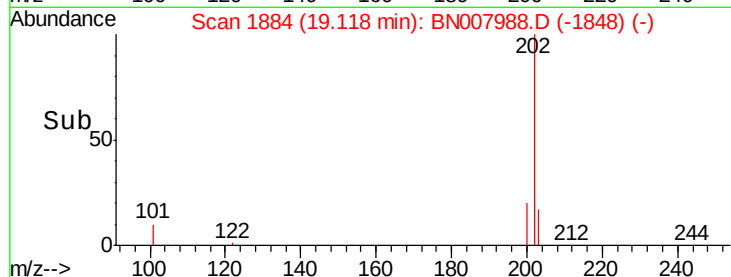
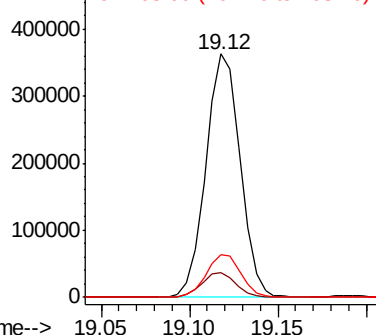


Abundance

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: 21.25 min Scan# 2180
 Delta R.T. -0.02 min
 Lab File: BN007988.D
 Acq: 03 Oct 2019 19:47

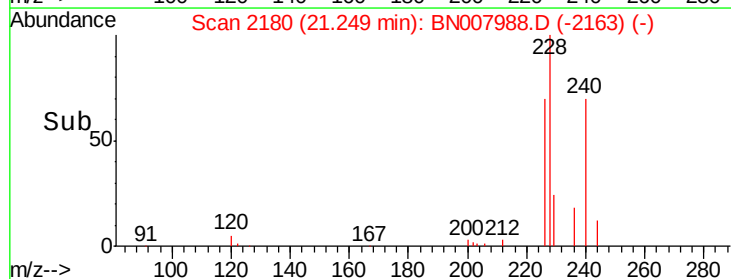
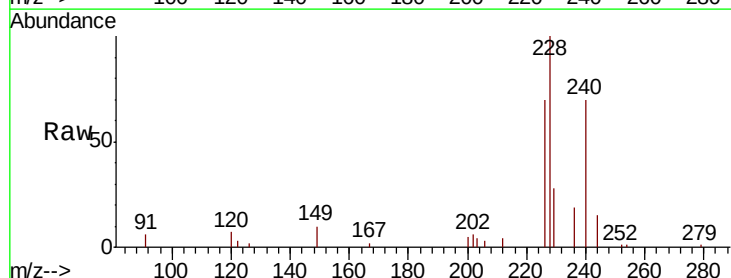
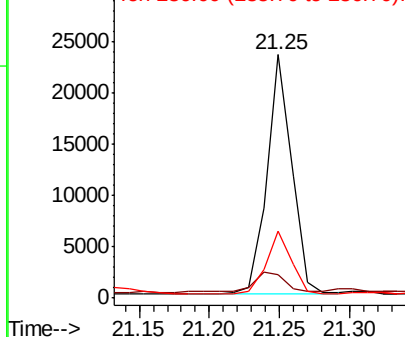
Tgt Ion	Ratio	Resp	Lower	Upper
240	100	29261		
120	9.9		5.4	8.2#
236	27.6		21.0	31.4

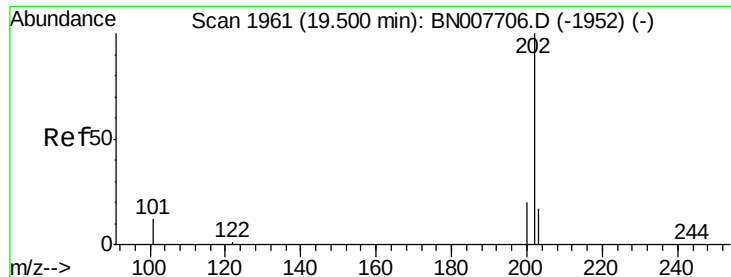
Abundance

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





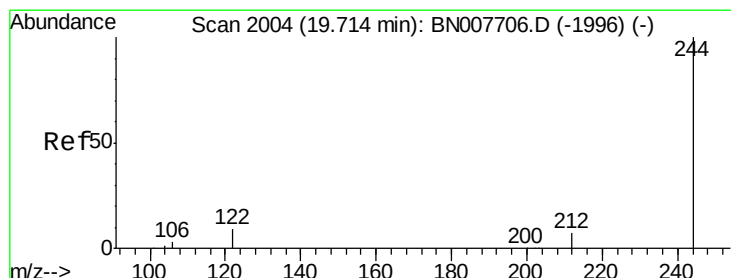
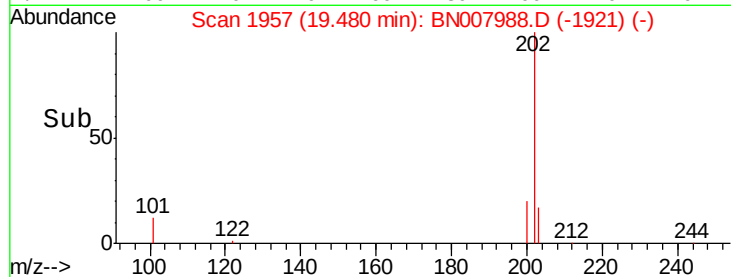
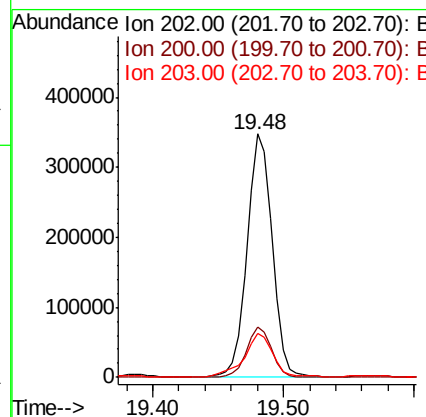
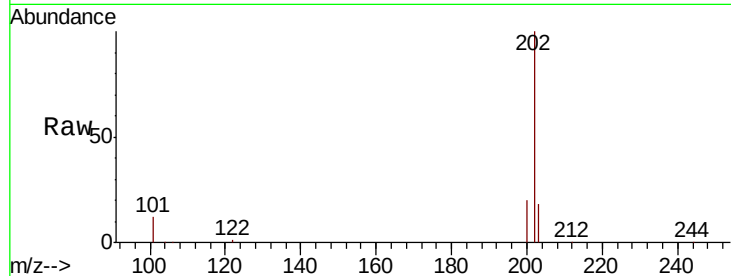
#28
Pvrene
Concen: 4.695 ng
RT: 19.48 min Scan# 1957
Delta R.T. -0.02 min
Lab File: BN007988.D
Acq: 03 Oct 2019 19:47

Instrument :
BNA_N
ClientSampleId :
PST-024-B276-092519

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	20.4	16.4	24.6	
203	20.5	14.1	21.1	

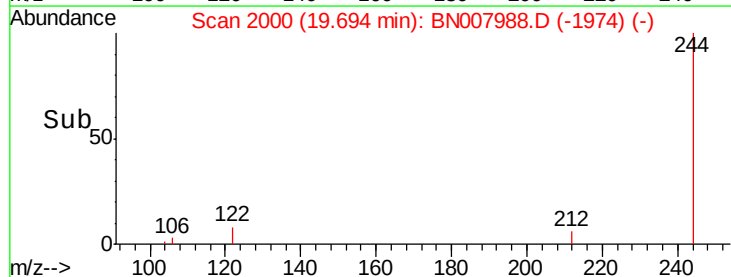
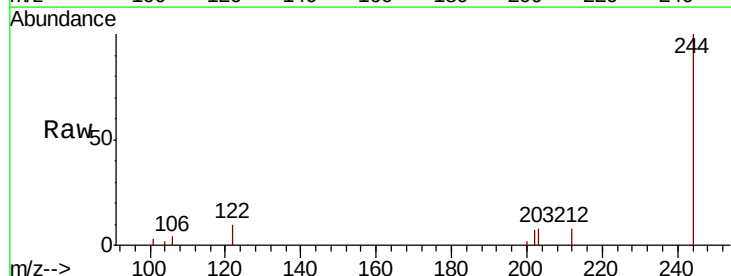
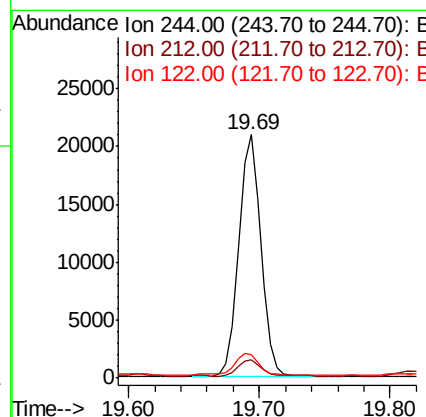
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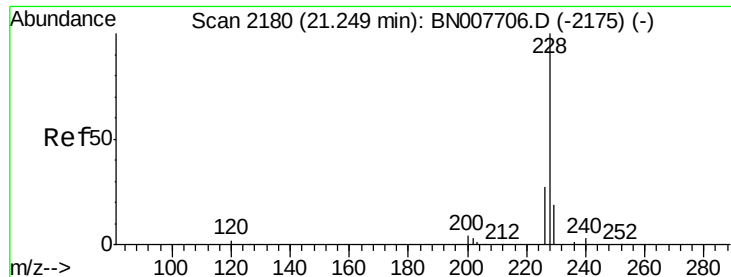
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#29
Terphenyl-d14
Concen: 0.346 ng
RT: 19.69 min Scan# 2000
Delta R.T. -0.02 min
Lab File: BN007988.D
Acq: 03 Oct 2019 19:47

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.6	5.9	8.9	
122	9.5	7.4	11.2	





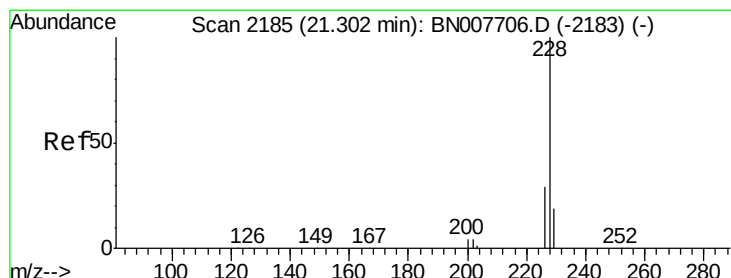
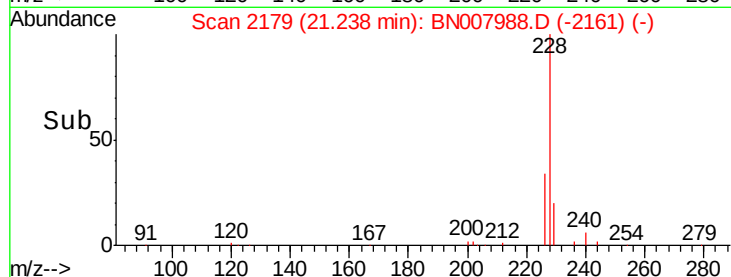
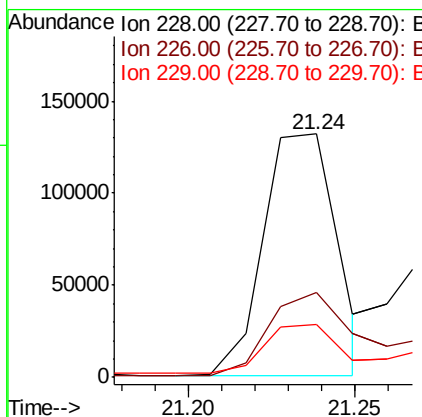
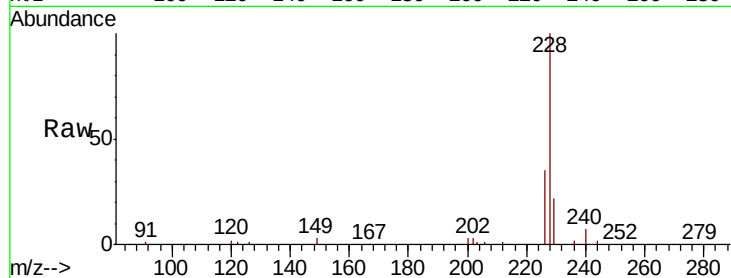
#30
Benzo(a)anthracene
Concen: 1.877 ng m
RT: 21.24 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BN007988.D
Acq: 03 Oct 2019 19:47

Instrument :
BNA_N
ClientSampleId :
PST-024-B276-092519

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.9	22.1	33.1#
229	22.0	15.8	23.6

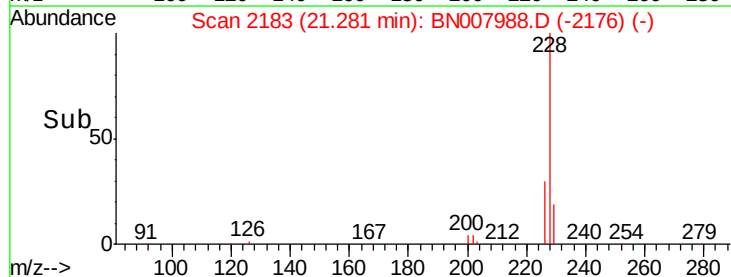
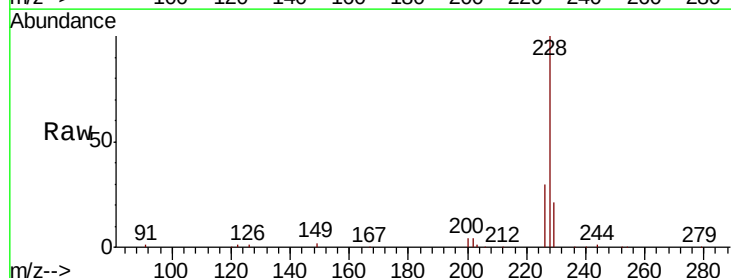
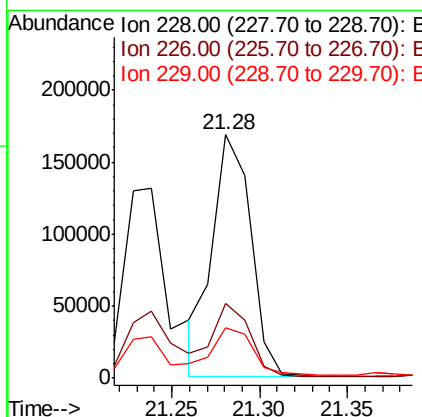
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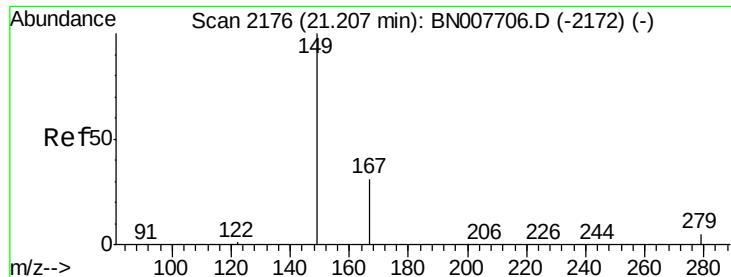
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#31
Chrysene
Concen: 2.419 ng
RT: 21.28 min Scan# 2183
Delta R.T. -0.02 min
Lab File: BN007988.D
Acq: 03 Oct 2019 19:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.9	35.9
229	20.6	15.8	23.6





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.227 ng

RT: 21.17 min Scan# 2173

Delta R.T. -0.03 min

Lab File: BN007988.D

Acq: 03 Oct 2019 19:47

Instrument :

BNA_N

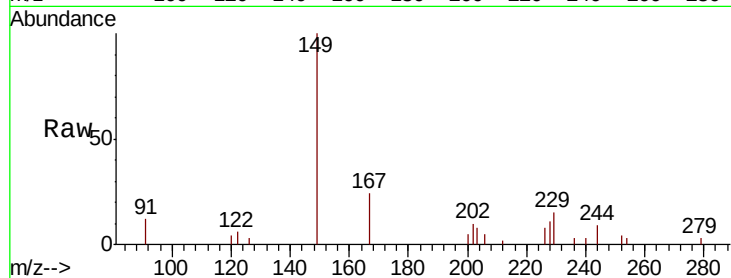
ClientSampleId :

PST-024-B276-092519

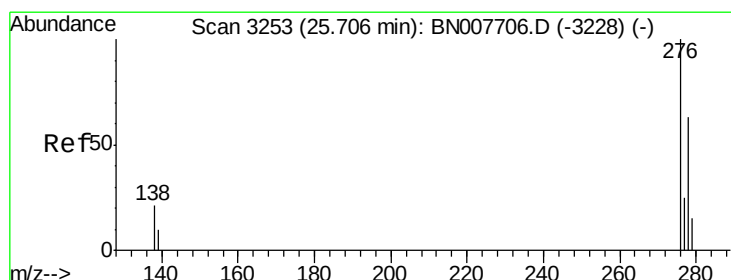
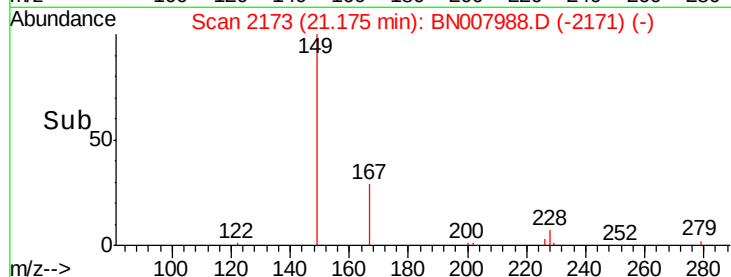
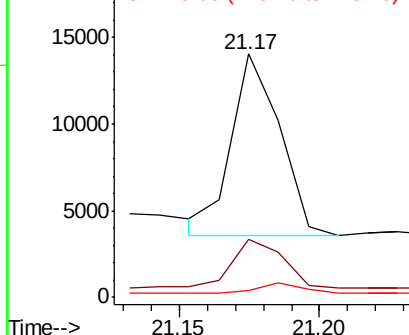
Tot Ion:	149	Resp:	12562
Ion Ratio	Lower	Upper	
149	100		
167	27.6	23.7	35.5
279	4.9	4.2	6.2

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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: 1.329 ng

RT: 25.67 min Scan# 3241

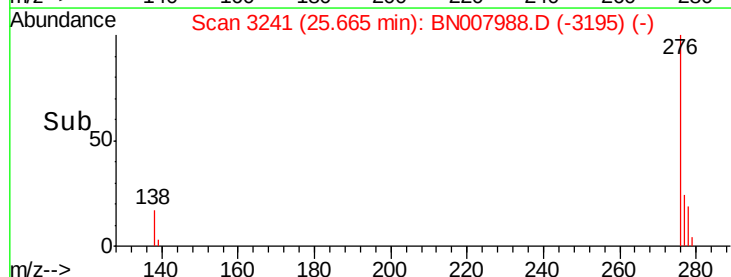
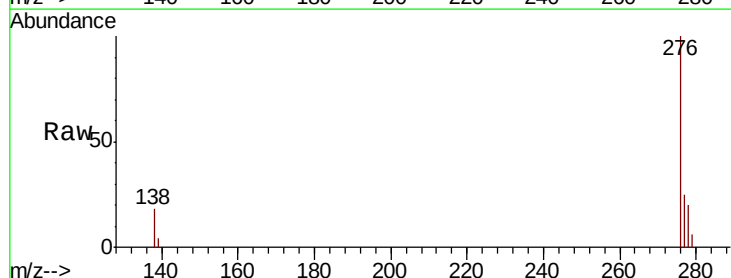
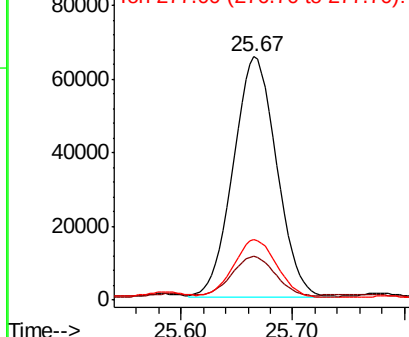
Delta R.T. -0.04 min

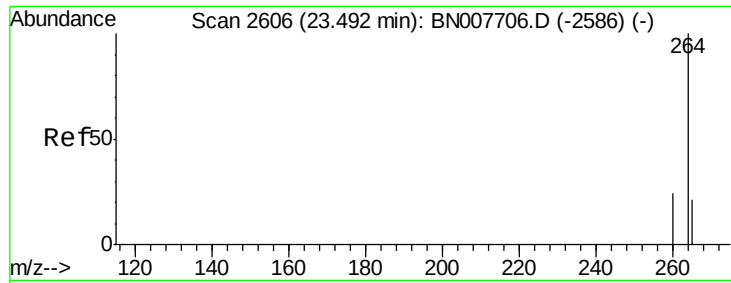
Lab File: BN007988.D

Acq: 03 Oct 2019 19:47

Tgt Ion:	276	Resp:	174736
Ion Ratio	Lower	Upper	
276	100		
138	17.3	17.1	25.7
277	24.5	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





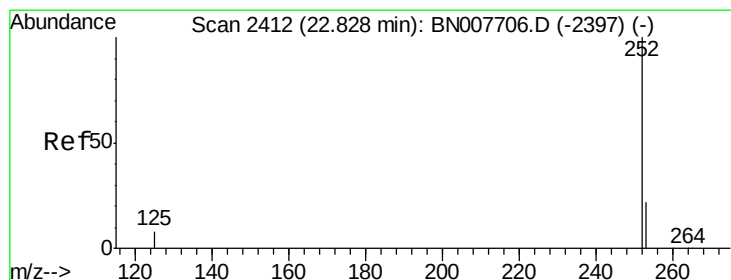
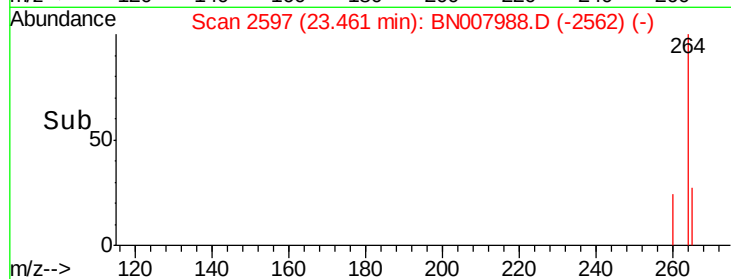
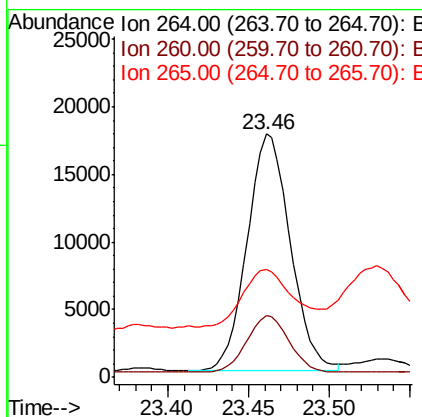
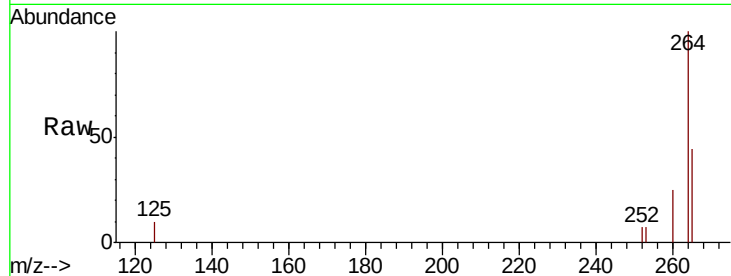
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.46 min Scan# 2597
Delta R.T. -0.03 min
Lab File: BN007988.D
Acq: 03 Oct 2019 19:47

Instrument :
BNA_N
ClientSampleId :
PST-024-B276-092519

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.3	28.9
265	44.3	26.9	40.3

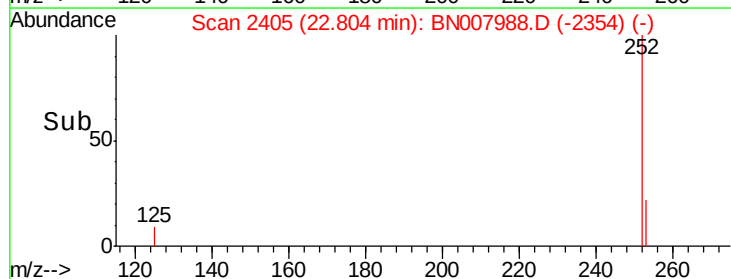
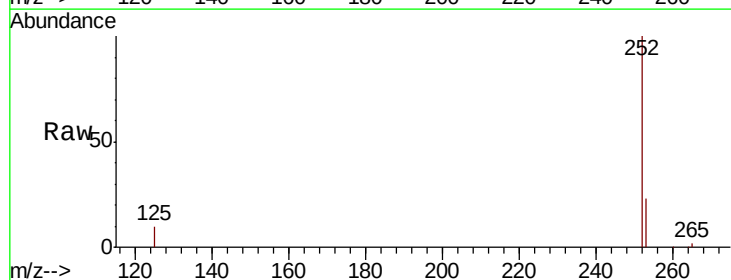
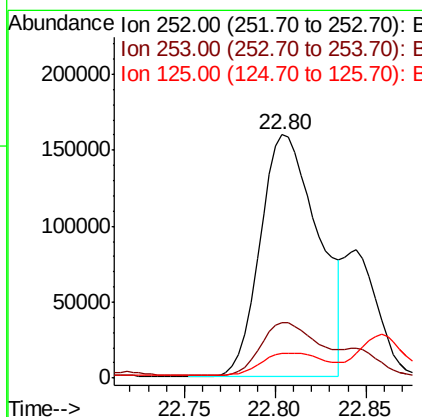
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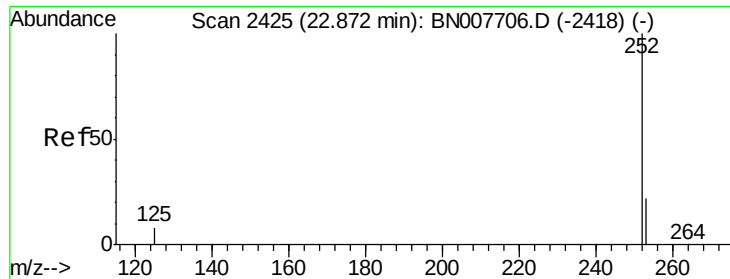
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#35
Benzo(b)fluoranthene
Concen: 3.138 ng
RT: 22.80 min Scan# 2405
Delta R.T. -0.02 min
Lab File: BN007988.D
Acq: 03 Oct 2019 19:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.3	27.5
125	10.1	8.2	12.4





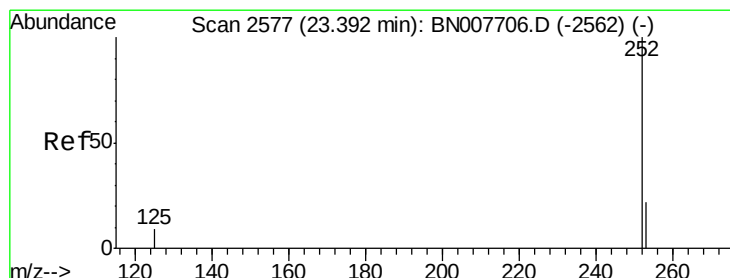
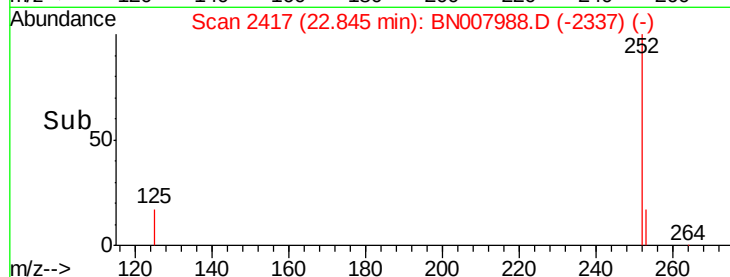
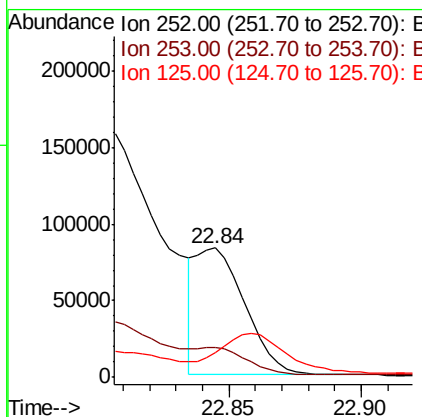
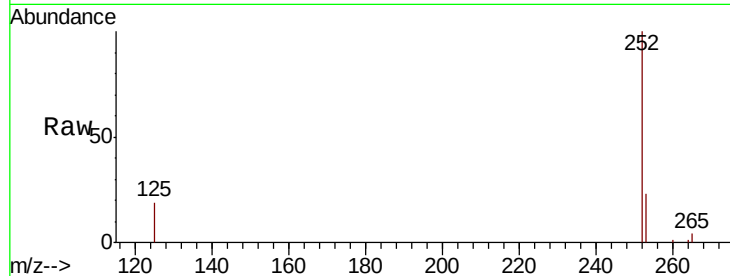
#36
Benzo(k)fluoranthene
Concen: 0.969 ng/mL
RT: 22.84 min Scan# 2417
Delta R.T. -0.03 min
Lab File: BN007988.D
Acq: 03 Oct 2019 19:47

Instrument :
BNA_N
ClientSampleId :
PST-024-B276-092519

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.5	27.7
125	19.1	8.4	12.6

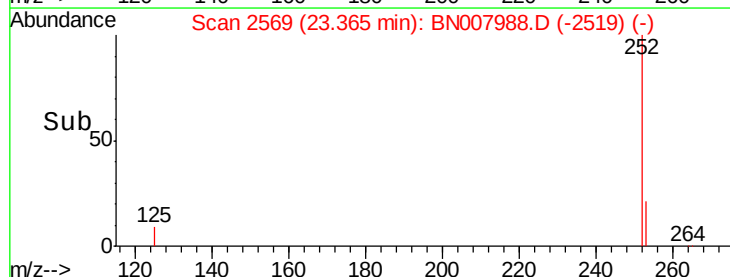
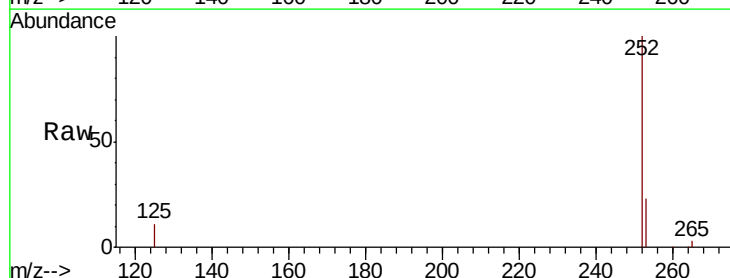
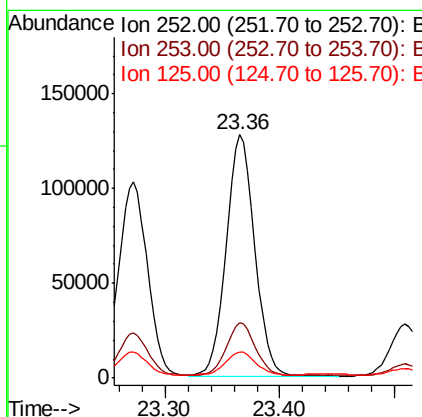
Manual Integrations
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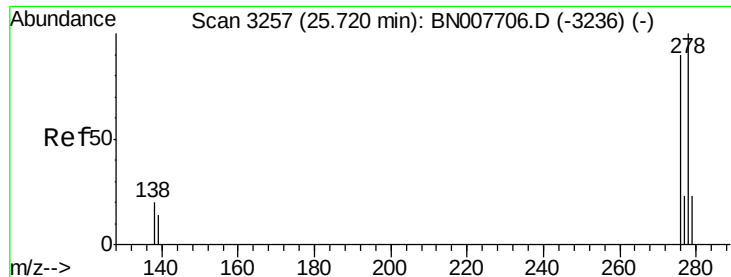
mohammad
10/7/2019 8:27:17 AM



#37
Benzo(a)pyrene
Concen: 2.085 ng/mL
RT: 23.36 min Scan# 2569
Delta R.T. -0.03 min
Lab File: BN007988.D
Acq: 03 Oct 2019 19:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.6	27.8
125	10.7	9.4	14.0





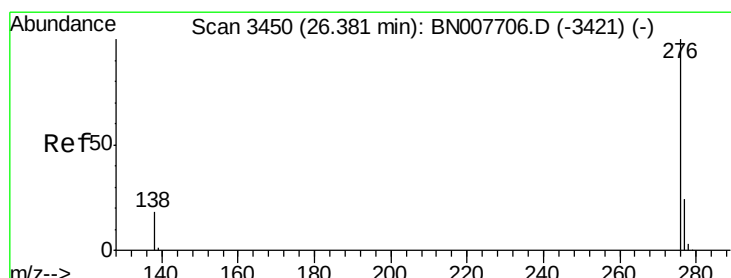
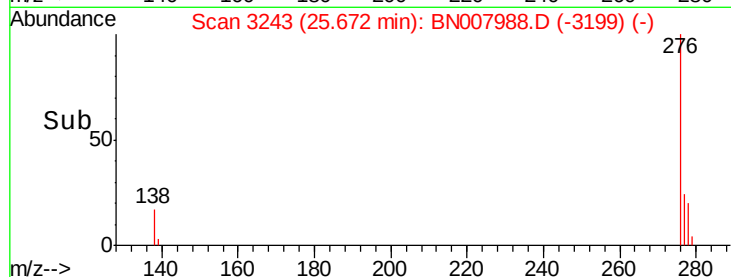
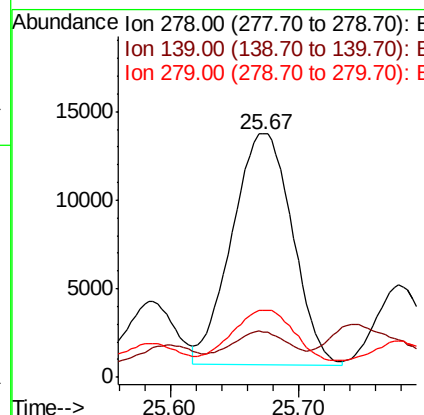
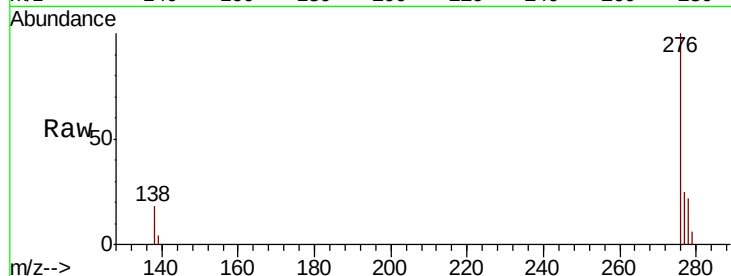
#38
Dibenzo(a,h)anthracene
Concen: 0.394 ng
RT: 25.67 min Scan# 3243
Delta R.T. -0.05 min
Lab File: BN007988.D
Acq: 03 Oct 2019 19:47

Instrument :
BNA_N
ClientSampleId :
PST-024-B276-092519

Tot Ion	Ratio	Lower	Upper
278	100		
139	18.7	11.8	17.6#
279	27.6	19.4	29.2

Manual Integrations
APPROVED

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#39
Benzo(g,h,i)perylene
Concen: 1.660 ng
RT: 26.34 min Scan# 3438
Delta R.T. -0.04 min
Lab File: BN007988.D
Acq: 03 Oct 2019 19:47

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.8	29.8
138	18.5	15.1	22.7

