

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070519\
 Data File : BN006723.D
 Acq On : 05 Jul 2019 19:26
 Operator : HP/JU
 Sample : K3558-13
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-016-B237-062619

Manual Integrations
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 7/8/2019 2:16:01 PM

Quant Time: Jul 05 23:46:07 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN070219.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Jul 05 05:30:28 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	2870	0.40	ng	-0.02
7) Naphthalene-d8	10.36	136	10949	0.40	ng	-0.03
13) Acenaphthene-d10	14.24	164	6924	0.40	ng	-0.02
19) Phenanthrene-d10	17.00	188	16133	0.40	ng	-0.02
27) Chrysene-d12	21.23	240	16027	0.40	ng	-0.03
34) Perylene-d12	23.44	264	17987	0.40	ng	-0.07

System Monitoring Compounds

4) 2-Fluorophenol	5.23	112	1686	0.22	ng	0.00
5) Phenol-d6	6.80	99	2333	0.24	ng	-0.03
8) Nitrobenzene-d5	8.79	82	1332	0.16	ng	0.00
11) 2-Methylnaphthalene-d10	11.98	152	3486	0.21	ng	-0.02
14) 2,4,6-Tribromophenol	15.77	330	647	0.19	ng	-0.02
15) 2-Fluorobiphenyl	12.86	172	4903	0.18	ng	-0.02
25) Fluoranthene-d10	19.05	212	8323	0.18	ng	-0.03
29) Terphenyl-d14	19.65	244	5828	0.16	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.42	128	2827	0.094	ng	# 88
12) 2-Methylnaphthalene	12.05	142	1831	0.047	ng	# 91
16) Acenaphthylene	13.96	152	6216	0.180	ng	98
17) Acenaphthene	14.31	154	1951	0.089	ng	94
18) Fluorene	15.30	166	3827	0.140	ng	# 93
23) Phenanthrene	17.05	178	117985	2.537	ng	100
24) Anthracene	17.14	178	12694	0.302	ng	# 95
26) Fluoranthene	19.08	202	115837	2.122	ng	99
28) Pyrene	19.44	202	181208	2.825	ng	97
30) Benzo(a)anthracene	21.20	228	69570	1.259	ng	98
31) Chrysene	21.26	228	86179	1.513	ng	98
32) Bis(2-ethylhexyl)phthalate	21.13	149	3599	0.022	ng	96
33) Indeno(1,2,3-cd)pyrene	25.67	276	34454	0.506	ng	94
35) Benzo(b)fluoranthene	22.78	252	72958	1.264	ng	# 96
36) Benzo(k)fluoranthene	22.82	252	22028m	0.352	ng	
37) Benzo(a)pyrene	23.35	252	60770m	1.087	ng	
38) Dibenzo(a,h)anthracene	25.67	278	10754	0.194	ng	# 88
39) Benzo(a,h,i)perylene	26.34	276	40410	0.707	ng	96

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

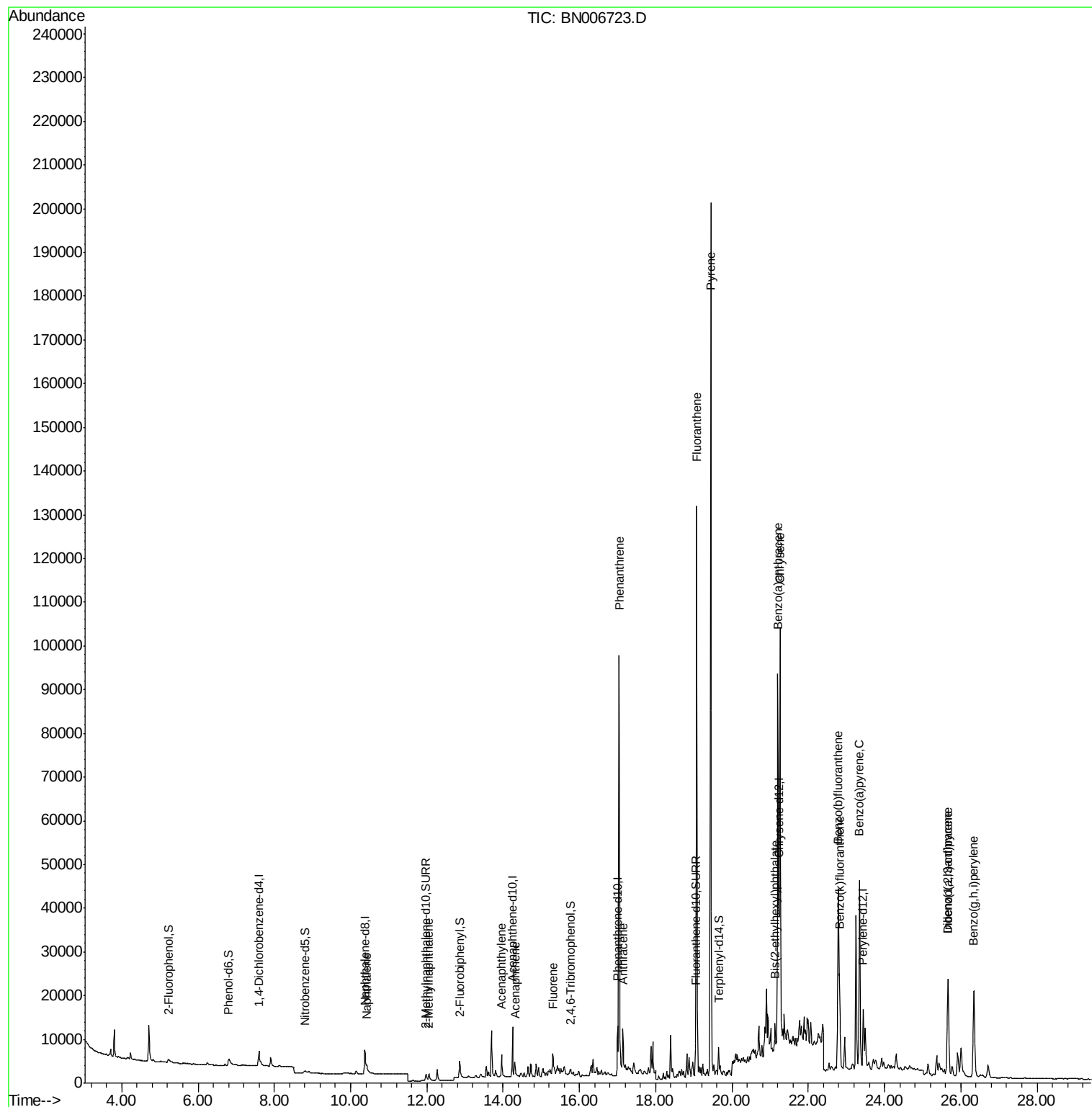
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070519\
Data File : BN006723.D
Acq On : 05 Jul 2019 19:26
Operator : HP/JU
Sample : K3558-13
Misc :
ALS Vial : 13 Sample Multiplier: 1

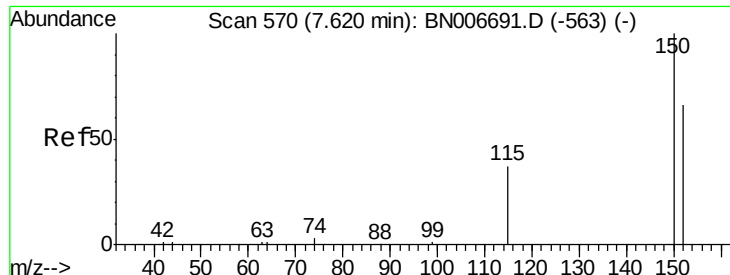
Instrument :
BNA_N
ClientSampleId :
PST-016-B237-062619

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN070219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

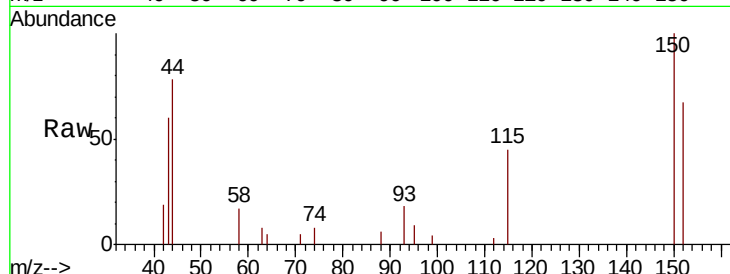
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.60 min Scan# 567
Delta R.T. -0.02 min
Lab File: BN006723.D
Acq: 05 Jul 2019 19:26

Instrument :
BNA_N
ClientSampleId :
PST-016-B237-062619

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.6	120.6	181.0
115	67.0	51.0	76.6

Manual Integrations
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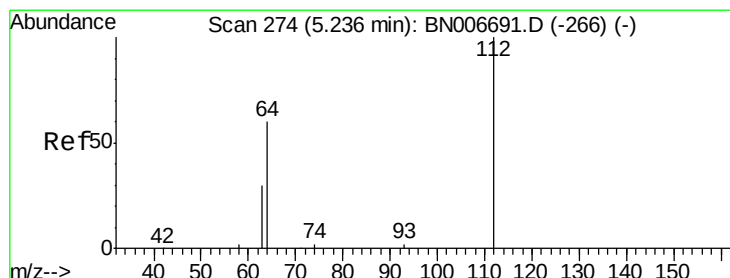
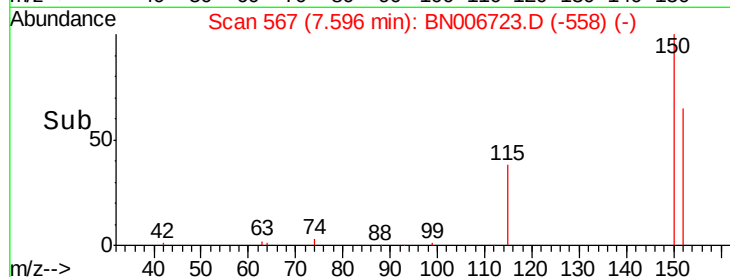
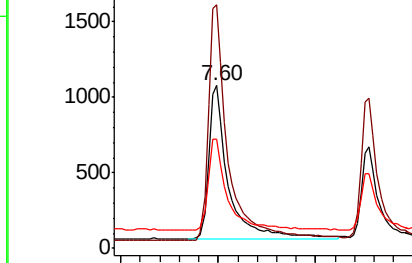


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

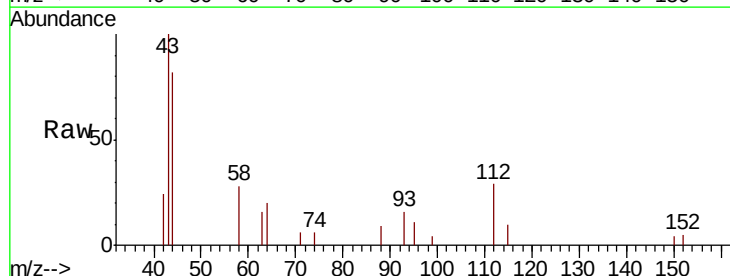
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.216 ng
RT: 5.23 min Scan# 273
Delta R.T. -0.01 min
Lab File: BN006723.D
Acq: 05 Jul 2019 19:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.6	49.8	74.6
63	34.5	25.8	38.6

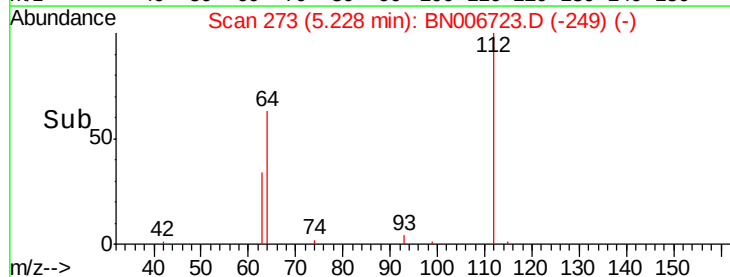
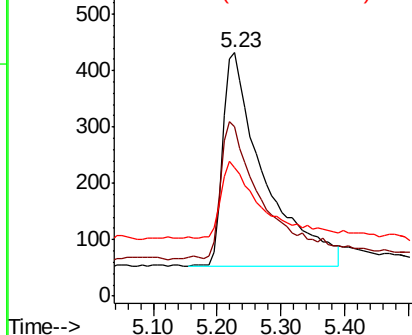


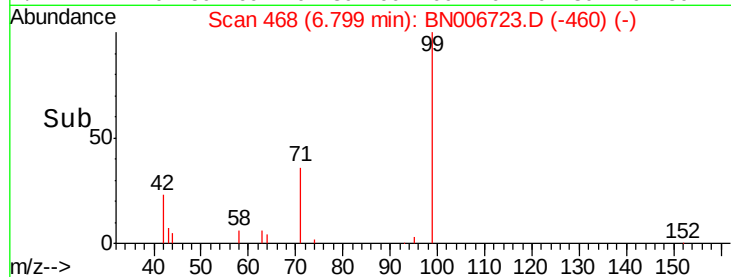
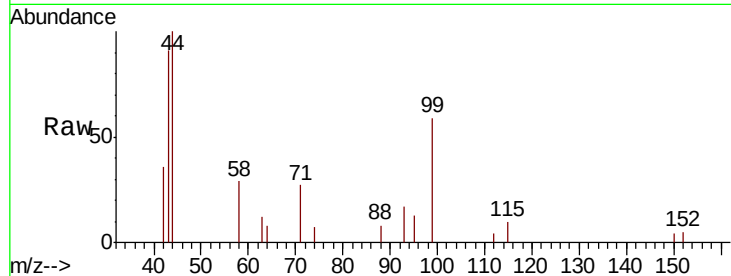
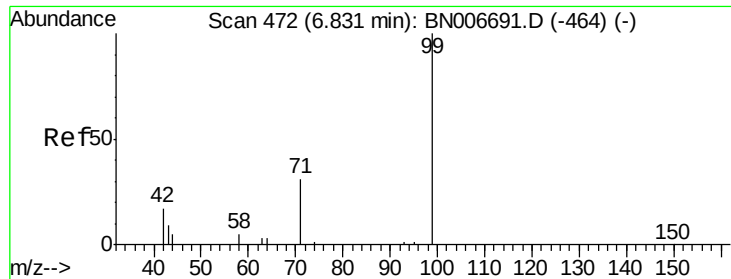
Abundance

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: 0.236 ng

RT: 6.80 min Scan# 468

Delta R.T. -0.03 min

Lab File: BN006723.D

Acq: 05 Jul 2019 19:26

Tot Ion:	99	Resp:	2333
Ion	Ratio	Lower	Upper
99	100		
42	29.0	16.6	25.0#
71	35.5	26.0	39.0

Instrument :

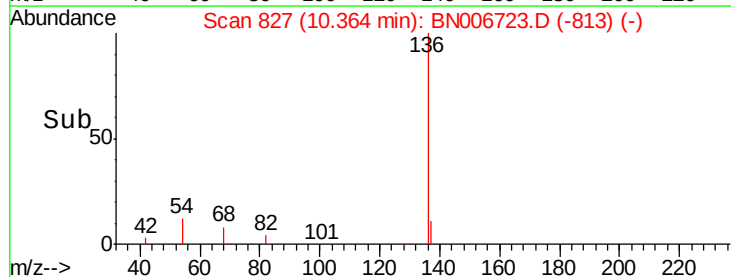
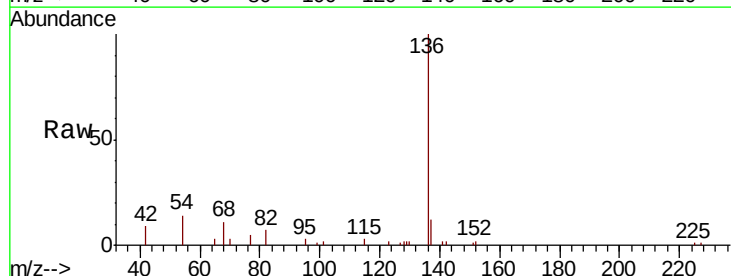
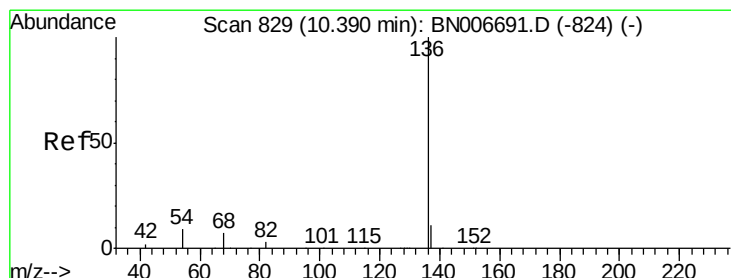
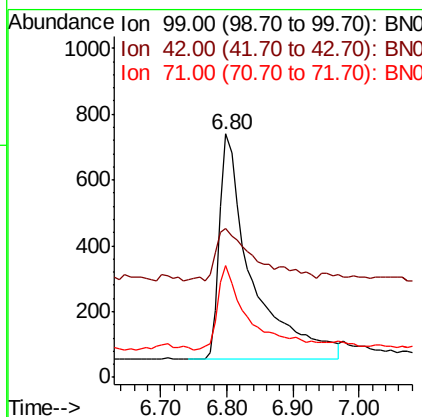
BNA_N

ClientSampleId :

PST-016-B237-062619

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#7

Naphthalene-d8

Concen: 0.400 ng

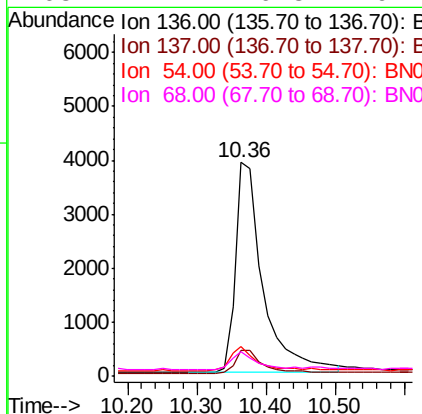
RT: 10.36 min Scan# 827

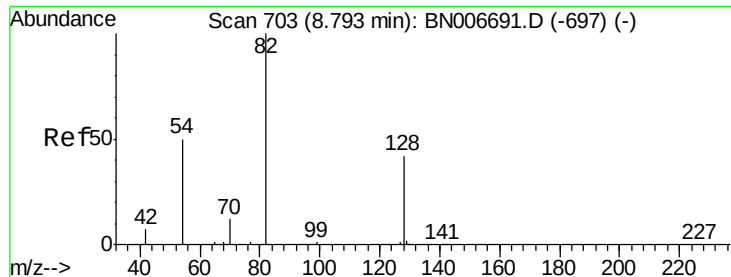
Delta R.T. -0.03 min

Lab File: BN006723.D

Acq: 05 Jul 2019 19:26

Tgt Ion:	136	Resp:	10949
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.3	13.9
54	14.0	8.4	12.6#
68	11.2	6.8	10.2#





#8

Nitrobenzene-d5

Concen: 0.159 ng

RT: 8.79 min Scan# 703

Delta R.T. -0.00 min

Lab File: BN006723.D

Acq: 05 Jul 2019 19:26

Instrument :

BNA_N

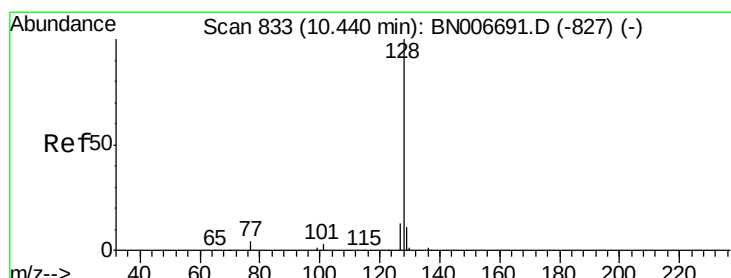
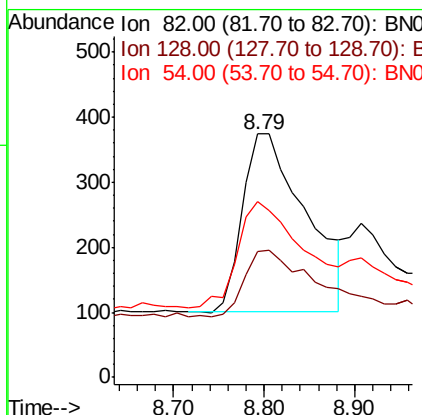
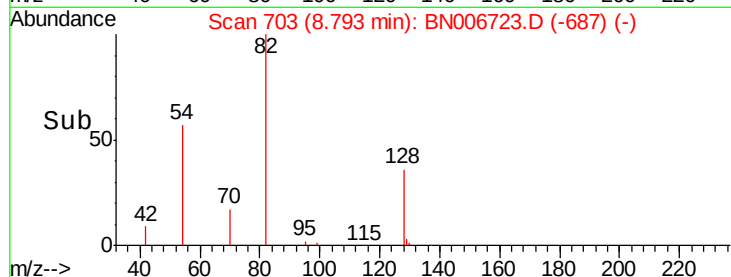
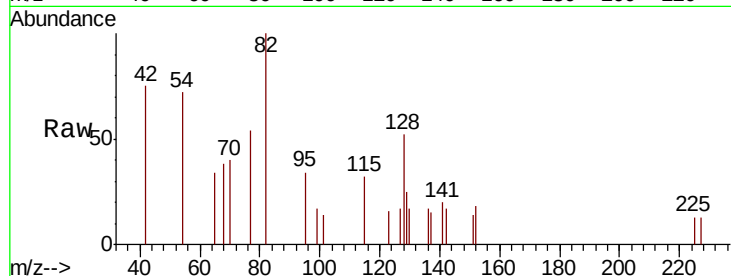
ClientSampleId :

PST-016-B237-062619

Tot Ion:	82	Resp:	1332
Ion Ratio	Lower	Upper	
82	100		
128	51.6	36.1	54.1
54	72.2	44.5	66.7#

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#9

Naphthalene

Concen: 0.094 ng

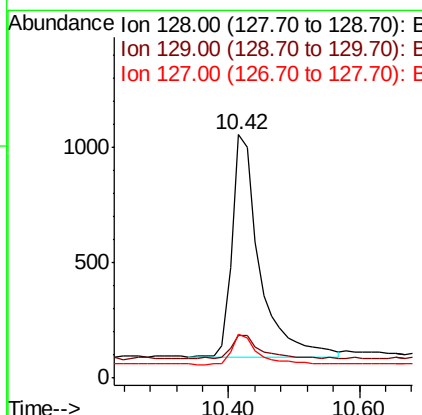
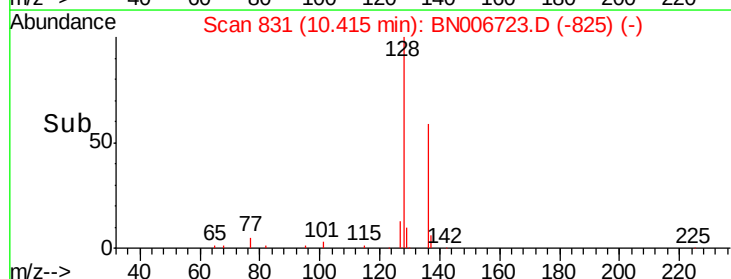
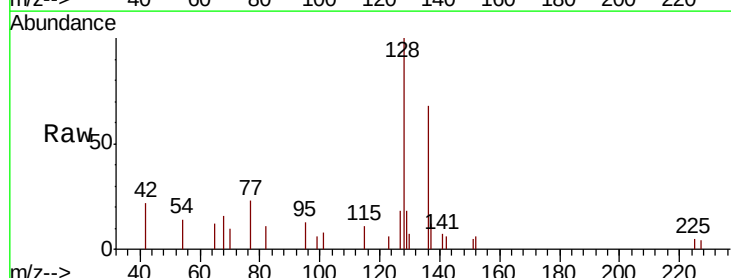
RT: 10.42 min Scan# 831

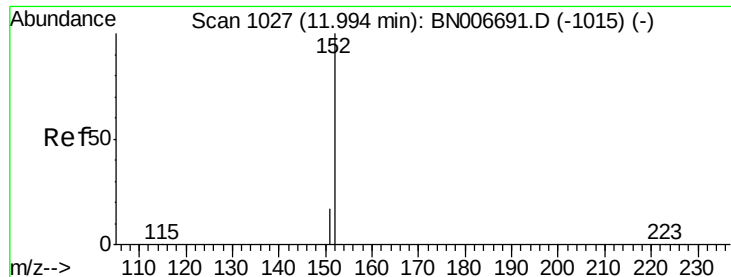
Delta R.T. -0.03 min

Lab File: BN006723.D

Acq: 05 Jul 2019 19:26

Tgt Ion:	128	Resp:	2827
Ion Ratio	Lower	Upper	
128	100		
129	17.7	9.6	14.4#
127	17.8	11.0	16.4#





#11

2-Methylnaphthalene-d10

Concen: 0.212 ng

RT: 11.98 min Scan# 1023

Delta R.T. -0.02 min

Lab File: BN006723.D

Acq: 05 Jul 2019 19:26

Instrument :

BNA_N

ClientSampleId :

PST-016-B237-062619

Tot Ion:152 Resp: 3486

Ion Ratio Lower Upper

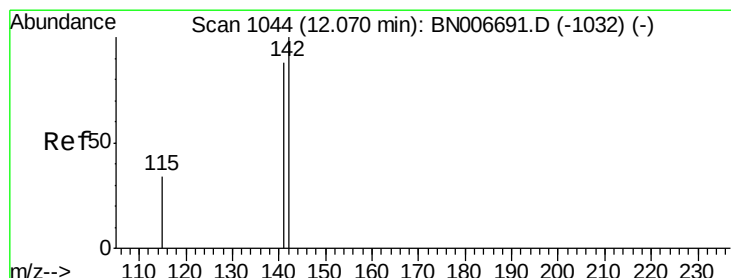
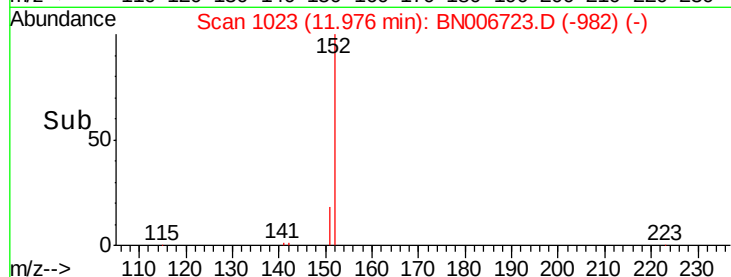
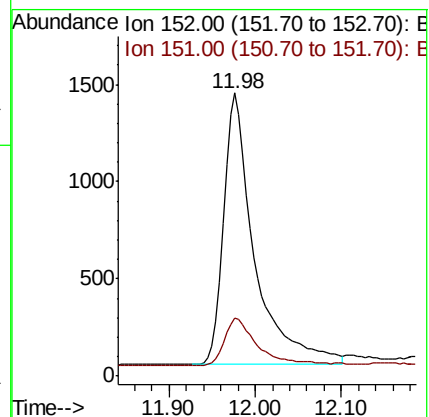
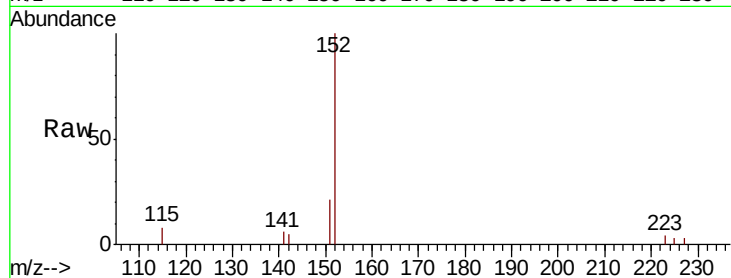
152 100

151 19.0 14.9 22.3

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#12

2-Methylnaphthalene

Concen: 0.047 ng

RT: 12.05 min Scan# 1040

Delta R.T. -0.02 min

Lab File: BN006723.D

Acq: 05 Jul 2019 19:26

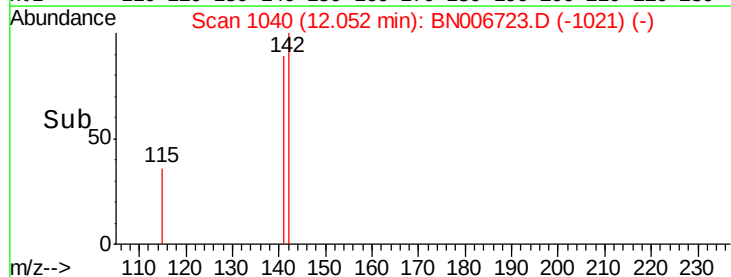
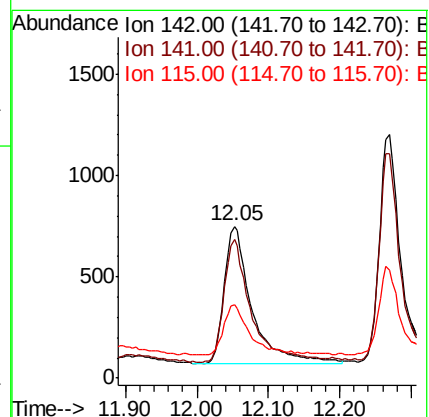
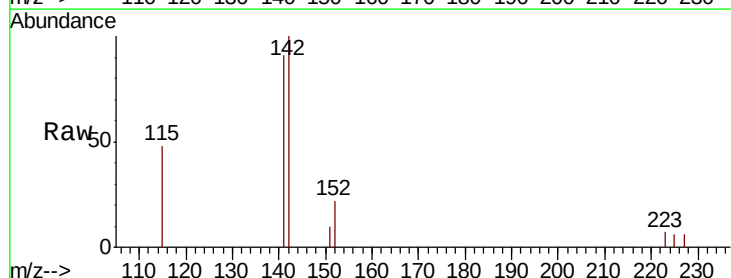
Tgt Ion:142 Resp: 1831

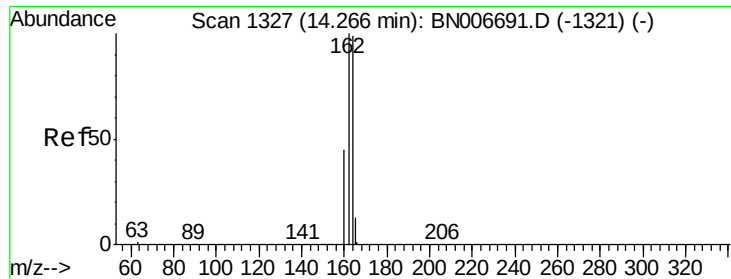
Ion Ratio Lower Upper

142 100

141 91.4 70.3 105.5

115 48.1 28.9 43.3#





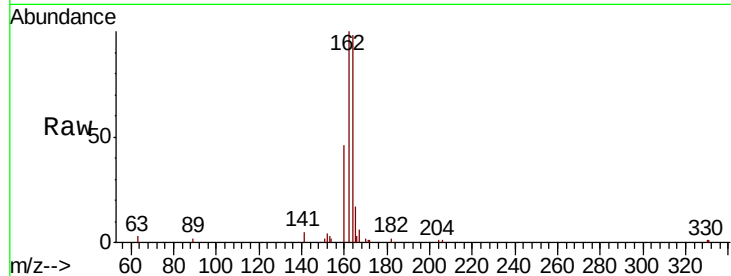
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.24 min Scan# 1325
Delta R.T. -0.02 min
Lab File: BN006723.D
Acq: 05 Jul 2019 19:26

Instrument :
BNA_N
ClientSampleId :
PST-016-B237-062619

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.9	80.8	121.2
160	46.5	37.0	55.6

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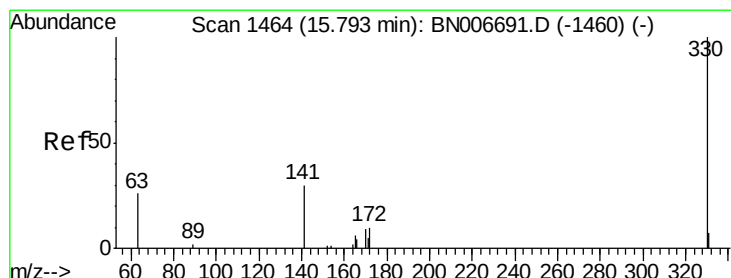
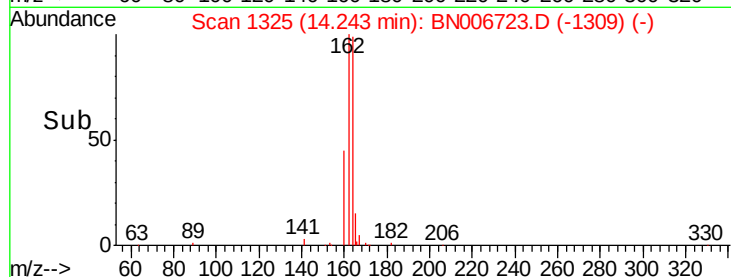
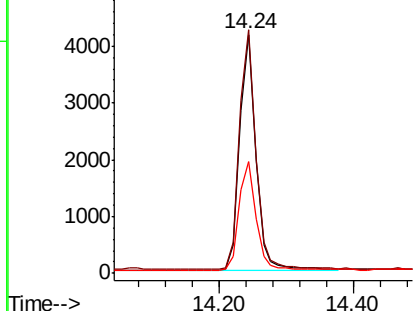


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14
2,4,6-Tribromophenol
Concen: 0.190 ng
RT: 15.77 min Scan# 1462
Delta R.T. -0.02 min
Lab File: BN006723.D
Acq: 05 Jul 2019 19:26

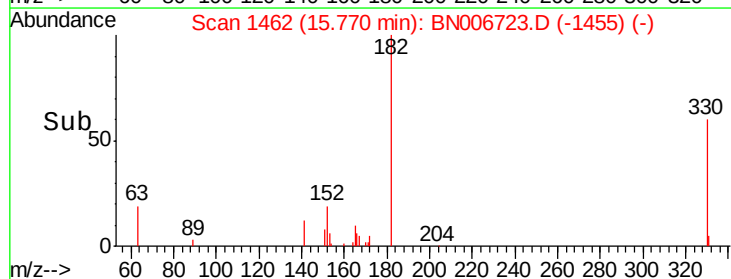
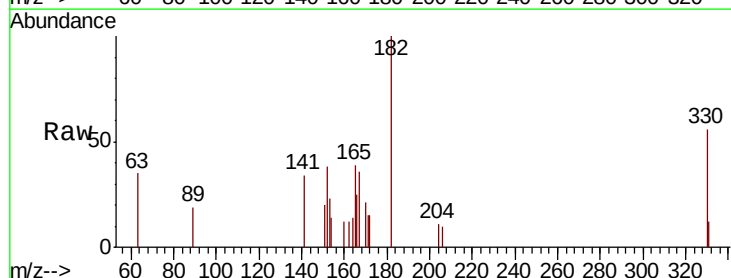
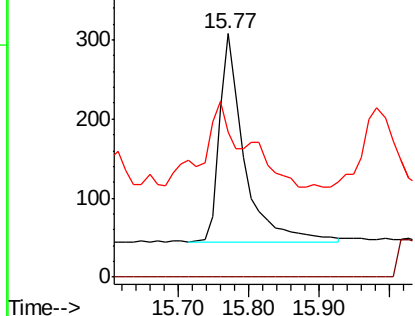
Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	33.5	24.8	37.2

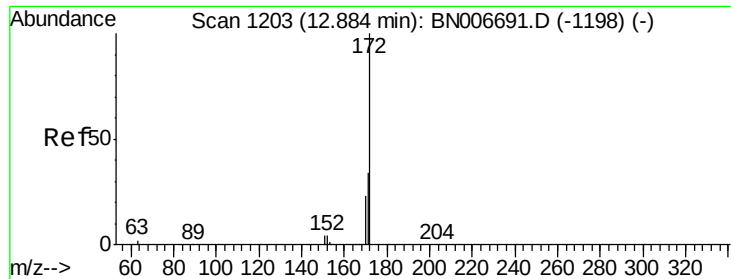
Abundance

Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





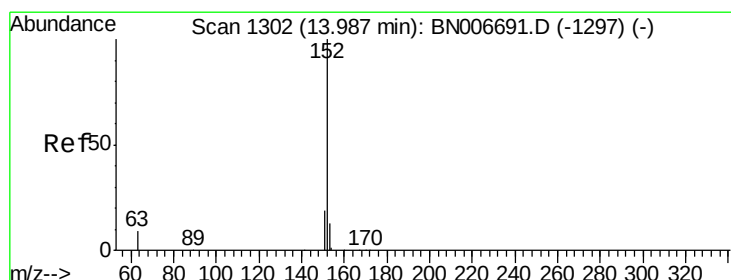
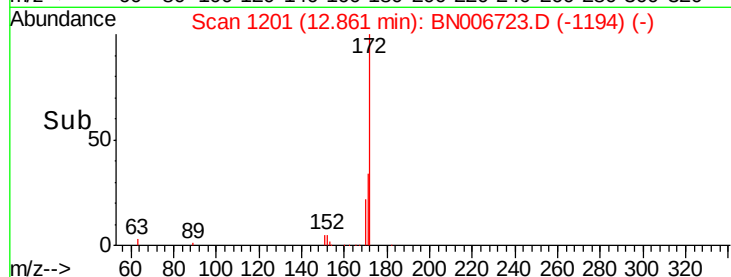
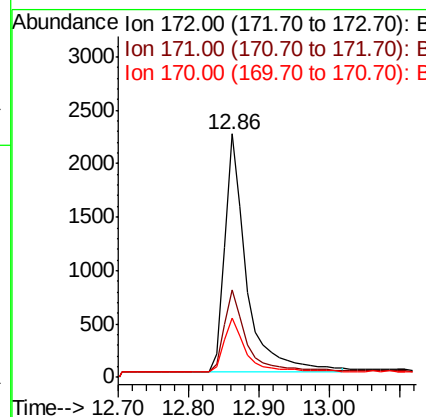
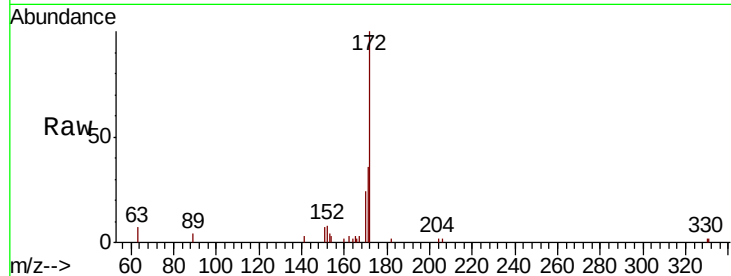
#15
2-Fluorobiphenyl
Concen: 0.181 ng
RT: 12.86 min Scan# 1201
Delta R.T. -0.02 min
Lab File: BN006723.D
Acq: 05 Jul 2019 19:26

Instrument :
BNA_N
ClientSampleId :
PST-016-B237-062619

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	27.8	41.6
170	24.3	18.9	28.3

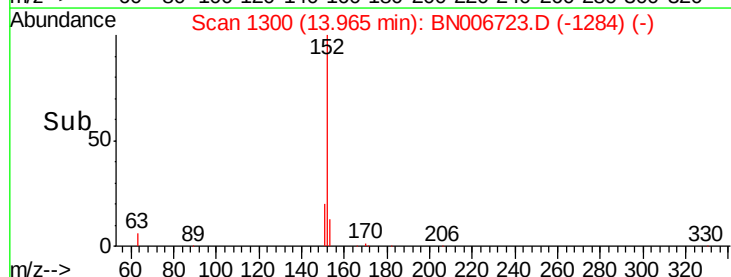
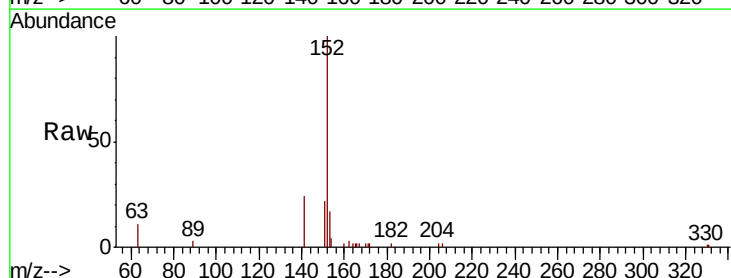
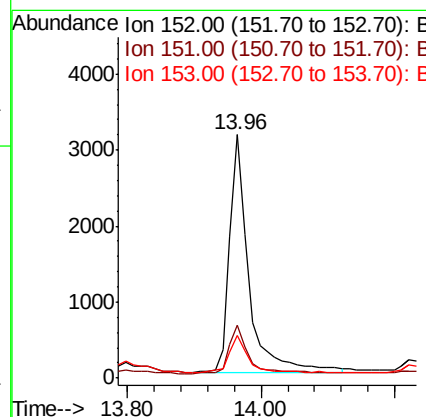
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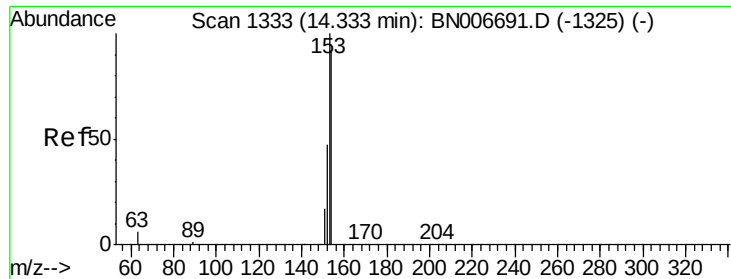
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#16
Acenaphthylene
Concen: 0.180 ng
RT: 13.96 min Scan# 1300
Delta R.T. -0.02 min
Lab File: BN006723.D
Acq: 05 Jul 2019 19:26

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.7	23.5
153	14.7	10.6	15.8





#17

Acenaphthene

Concen: 0.089 ng

RT: 14.31 min Scan# 1331

Delta R.T. -0.02 min

Lab File: BN006723.D

Acq: 05 Jul 2019 19:26

Instrument :

BNA_N

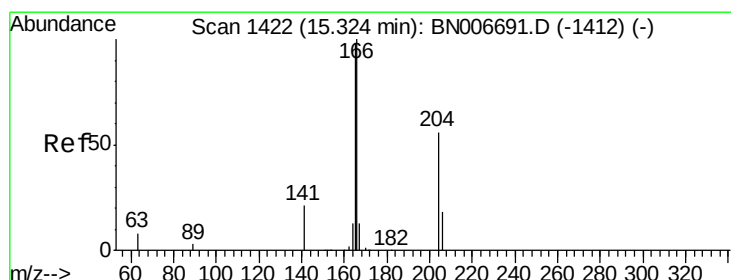
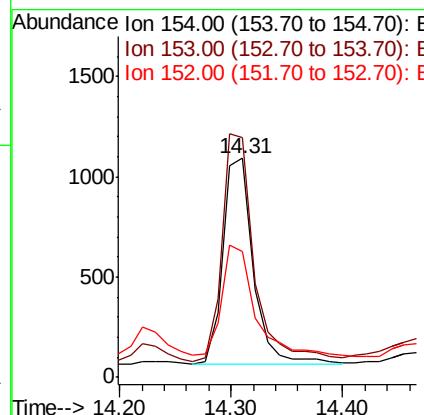
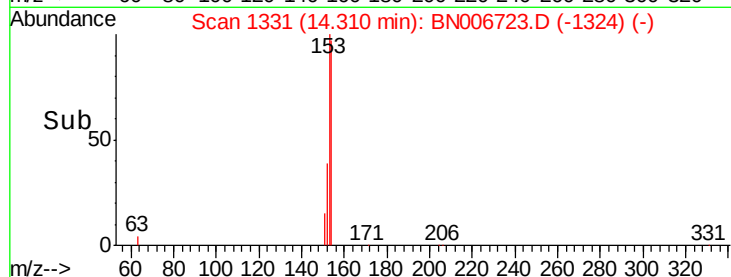
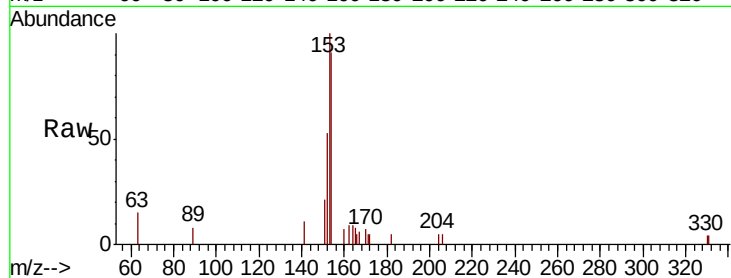
ClientSampleId :

PST-016-B237-062619

Tot Ion:	154	Resp:	1951
Ion Ratio	Lower	Upper	
154	100		
153	116.0	88.9	133.3
152	59.5	42.8	64.2

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#18

Fluorene

Concen: 0.140 ng

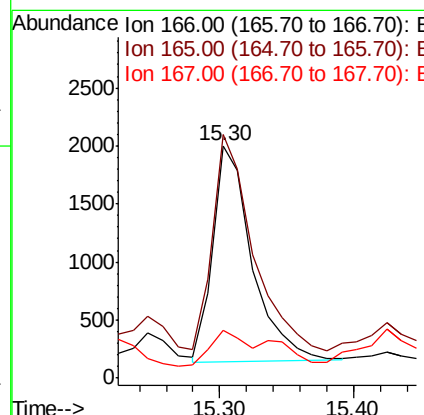
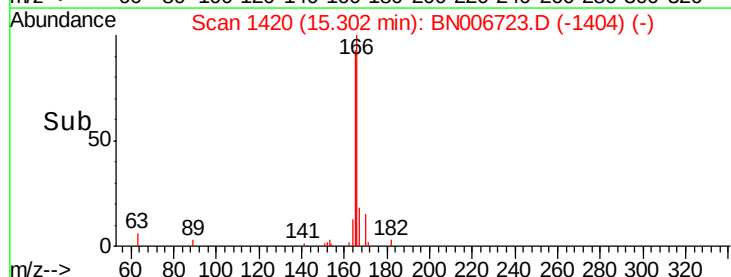
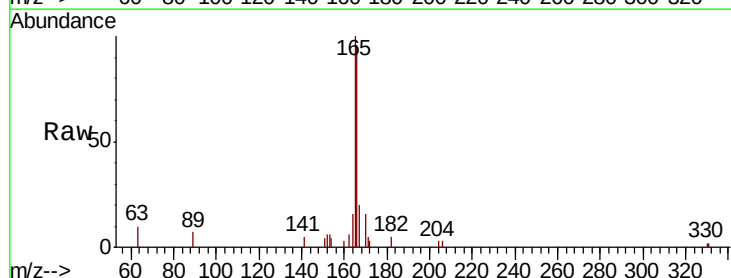
RT: 15.30 min Scan# 1420

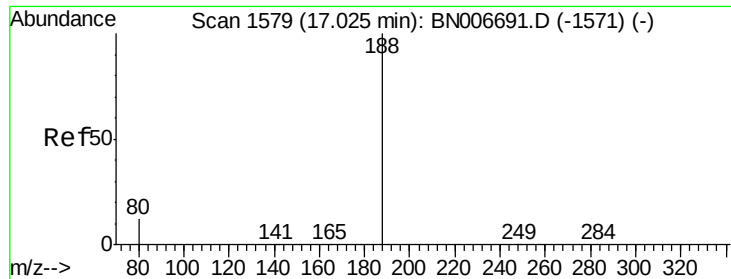
Delta R.T. -0.02 min

Lab File: BN006723.D

Acq: 05 Jul 2019 19:26

Tgt Ion:	166	Resp:	3827
Ion Ratio	Lower	Upper	
166	100		
165	101.0	78.0	117.0
167	25.3	10.7	16.1#





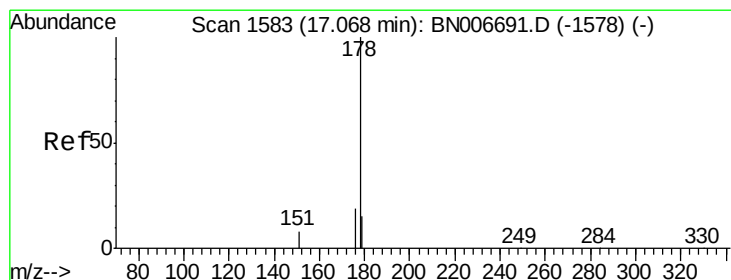
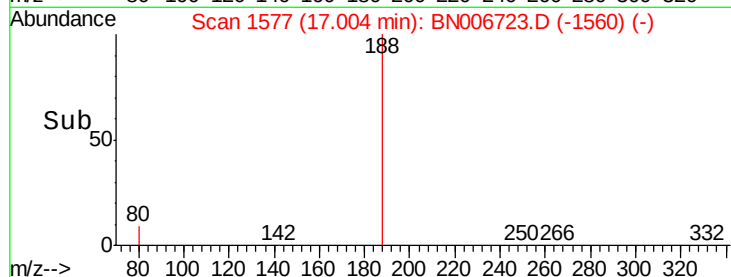
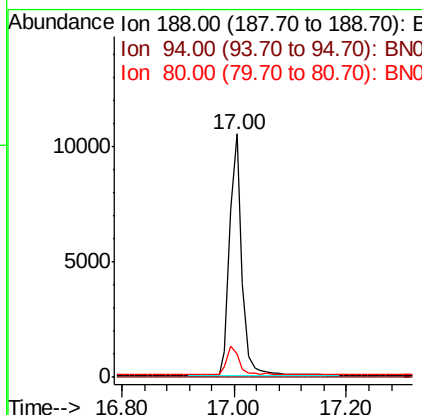
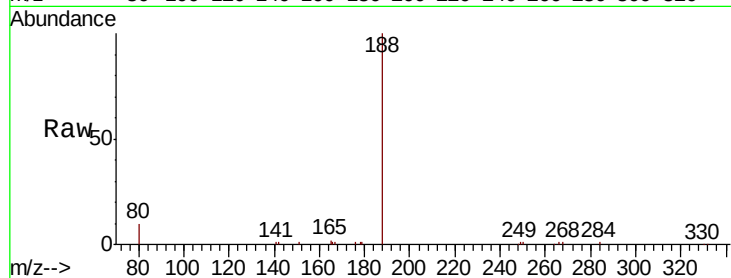
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.00 min Scan# 1577
Delta R.T. -0.02 min
Lab File: BN006723.D
Acq: 05 Jul 2019 19:26

Instrument :
BNA_N
ClientSampleId :
PST-016-B237-062619

Tot Ion	Ratio	Resp	Lower	Upper
188	100	16133		
94	0.0	0.0	0.0	
80	9.8	10.3	15.5	

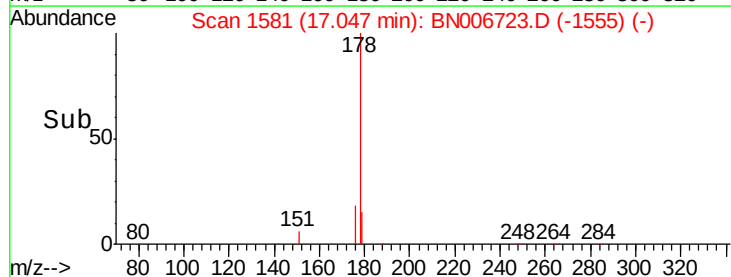
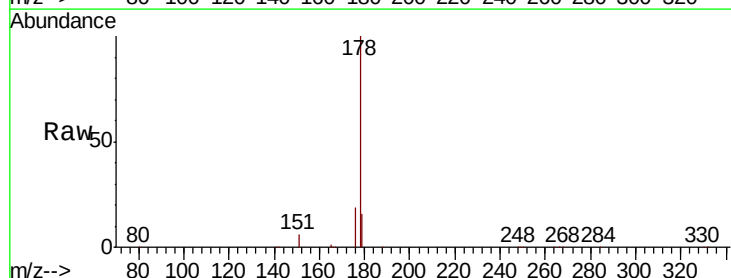
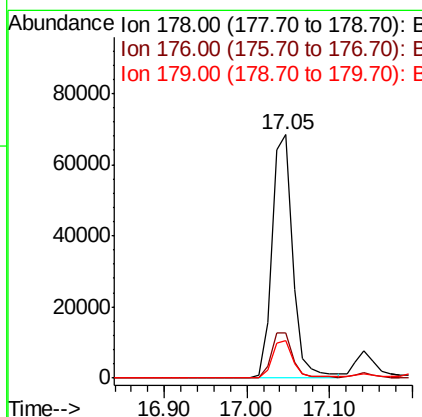
Manual Integrations
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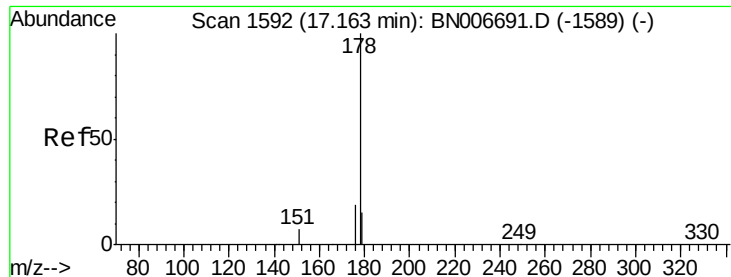
mohammad
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#23
Phenanthrene
Concen: 2.537 ng
RT: 17.05 min Scan# 1581
Delta R.T. -0.02 min
Lab File: BN006723.D
Acq: 05 Jul 2019 19:26

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	117985		
176	19.0	15.3	22.9	
179	15.3	12.4	18.6	





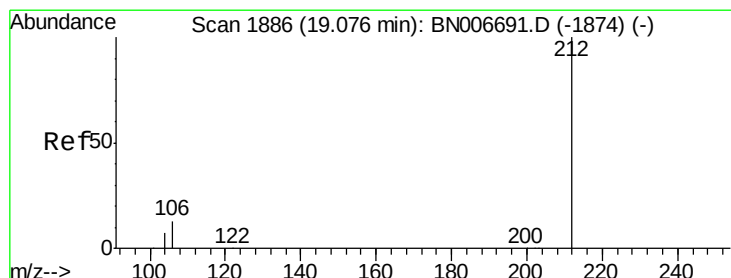
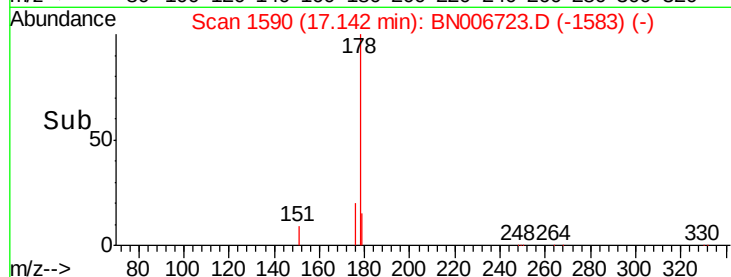
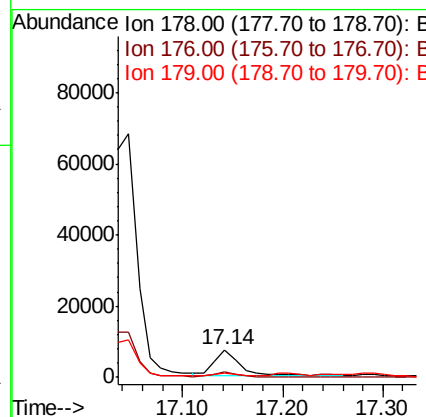
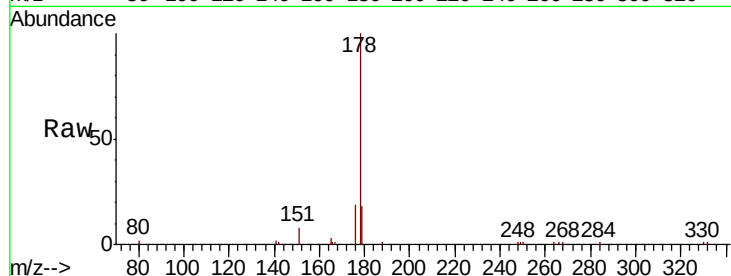
#24
 Anthracene
 Concen: 0.302 ng
 RT: 17.14 min Scan# 1590
 Delta R.T. -0.02 min
 Lab File: BN006723.D
 Acq: 05 Jul 2019 19:26

Instrument :
 BNA_N
 ClientSampleId :
 PST-016-B237-062619

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.6	14.8	22.2
179	11.2	11.9	17.9

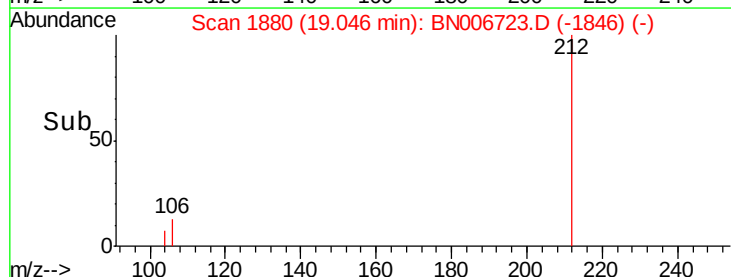
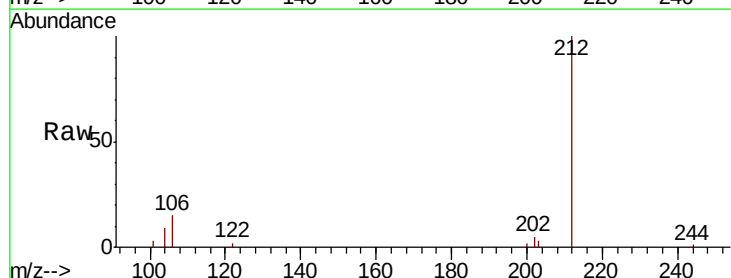
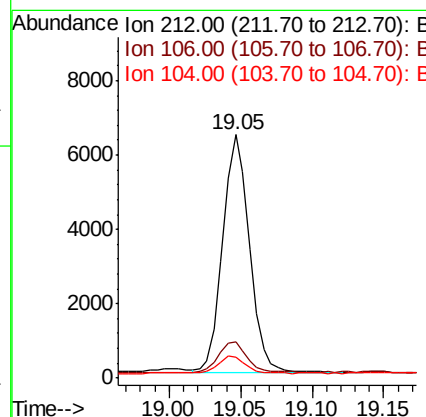
Manual Integrations
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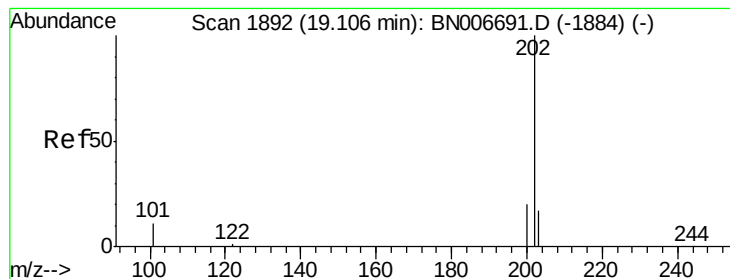
mohammad
 7/8/2019 2:16:01 PM



#25
 Fluoranthene-d10
 Concen: 0.180 ng
 RT: 19.05 min Scan# 1880
 Delta R.T. -0.03 min
 Lab File: BN006723.D
 Acq: 05 Jul 2019 19:26

Tgt Ion	Ratio	Lower	Upper
212	100		
106	13.8	11.0	16.6
104	7.5	6.1	9.1





#26

Fluoranthene

Concen: 2.122 ng

RT: 19.08 min Scan# 1886

Delta R.T. -0.03 min

Lab File: BN006723.D

Acq: 05 Jul 2019 19:26

Instrument :

BNA_N

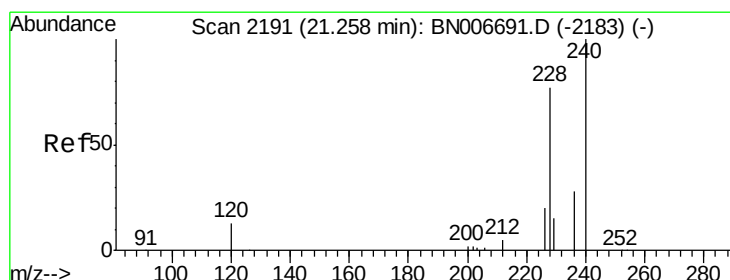
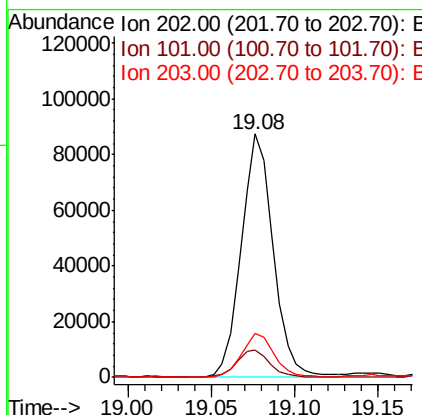
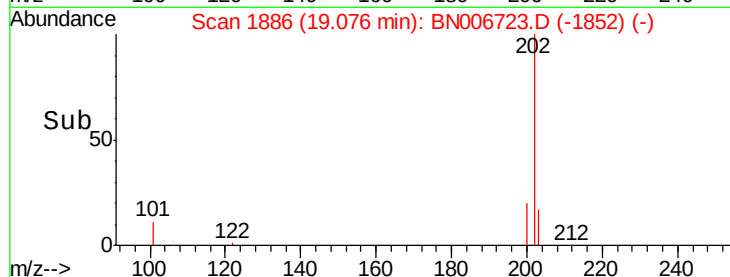
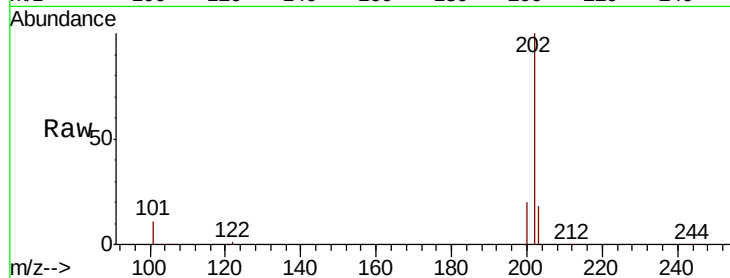
ClientSampleId :

PST-016-B237-062619

Tot Ion:	202	Resp:	115837
Ion Ratio	Lower	Upper	
202	100		
101	11.3	8.7	13.1
203	17.8	13.8	20.6

Manual Integrations
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#27

Chrysene-d12

Concen: 0.400 ng

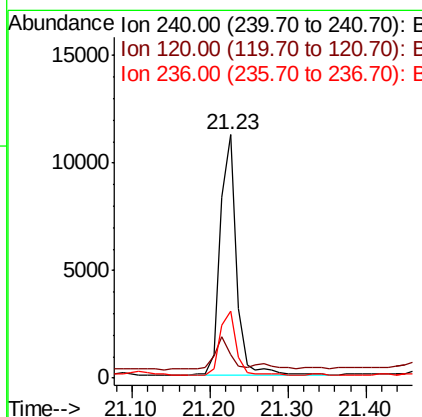
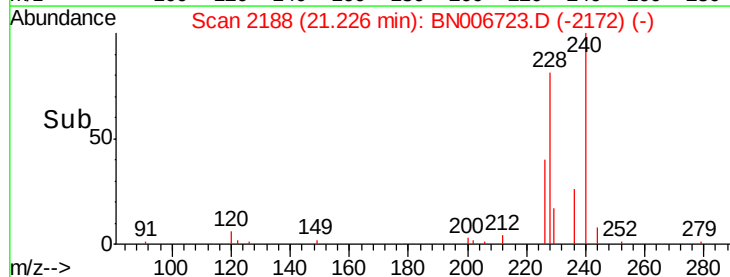
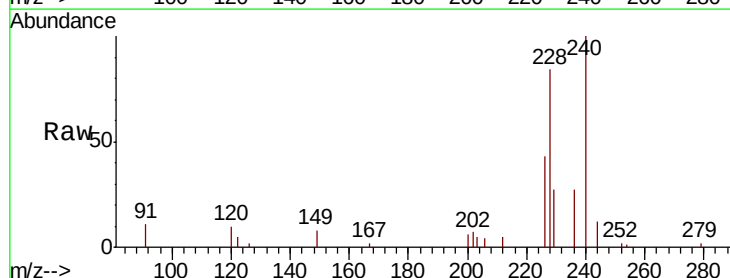
RT: 21.23 min Scan# 2188

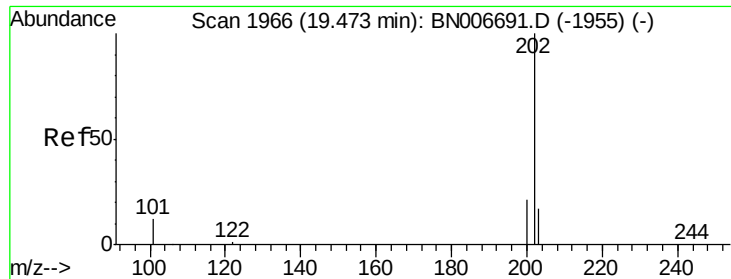
Delta R.T. -0.03 min

Lab File: BN006723.D

Acq: 05 Jul 2019 19:26

Tgt Ion:	240	Resp:	16027
Ion Ratio	Lower	Upper	
240	100		
120	9.8	12.9	19.3#
236	27.4	23.2	34.8





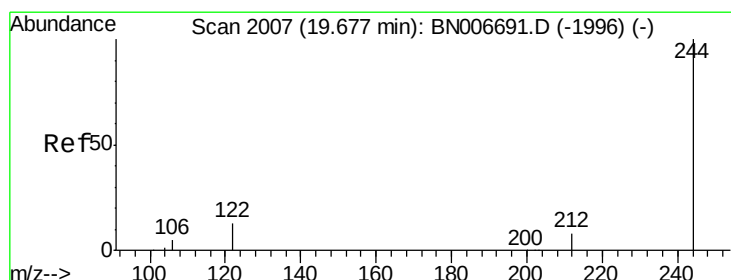
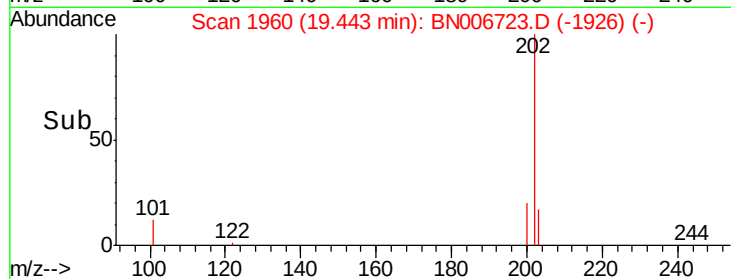
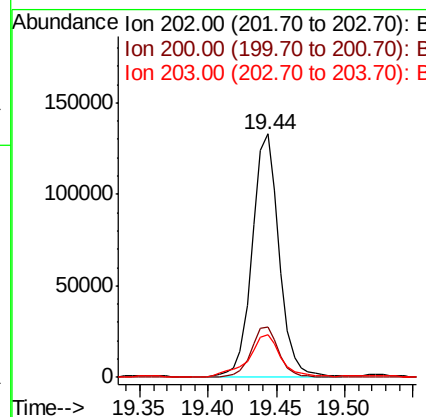
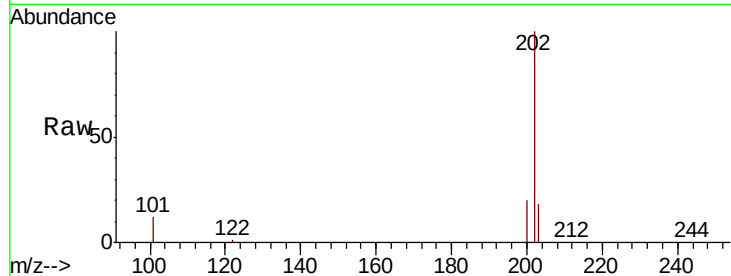
#28
Pvrene
Concen: 2.825 ng
RT: 19.44 min Scan# 1960
Delta R.T. -0.03 min
Lab File: BN006723.D
Acq: 05 Jul 2019 19:26

Instrument :
BNA_N
ClientSampleId :
PST-016-B237-062619

Tot Ion	Ratio	Resp	Lower	Upper
202	100	181208		
200	20.8	16.8	25.2	
203	20.7	14.2	21.2	

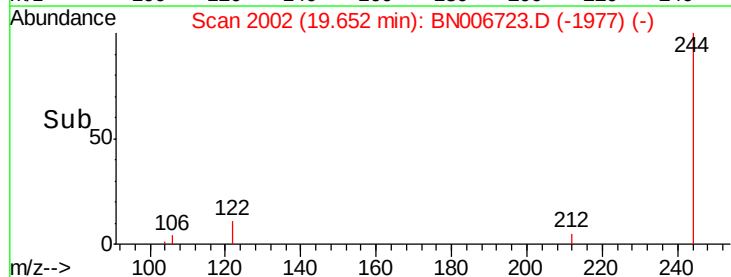
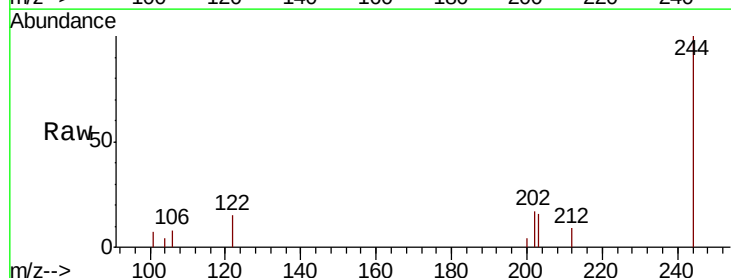
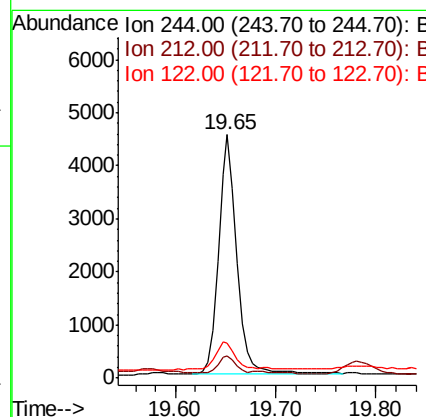
Manual Integrations
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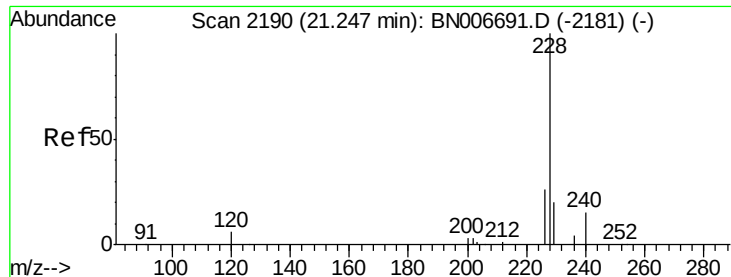
mohammad
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#29
Terphenyl-d14
Concen: 0.158 ng
RT: 19.65 min Scan# 2002
Delta R.T. -0.02 min
Lab File: BN006723.D
Acq: 05 Jul 2019 19:26

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	5828		
212	9.1	7.0	10.4	
122	14.6	11.5	17.3	





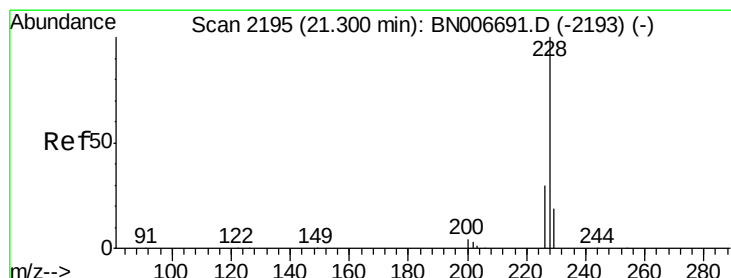
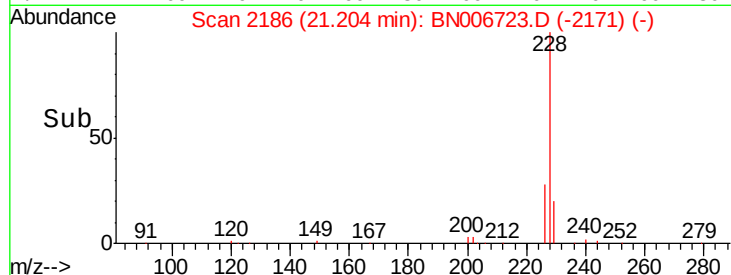
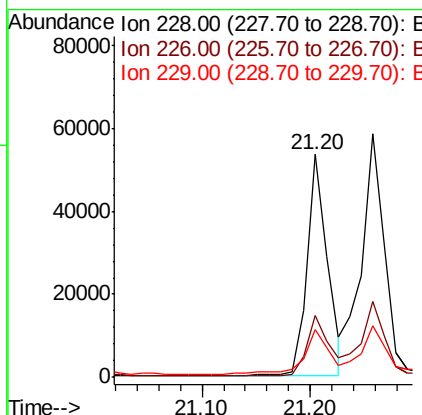
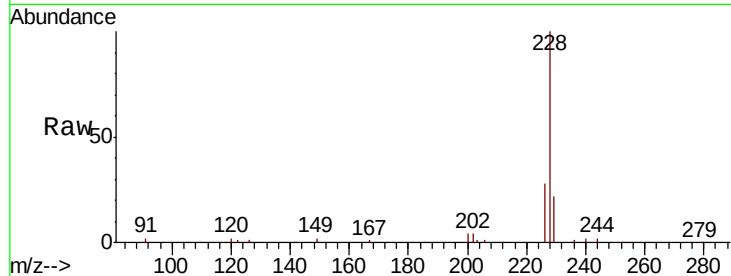
#30
Benzo(a)anthracene
Concen: 1.259 ng
RT: 21.20 min Scan# 2186
Delta R.T. -0.04 min
Lab File: BN006723.D
Acq: 05 Jul 2019 19:26

Instrument :
BNA_N
ClientSampleId :
PST-016-B237-062619

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.5	32.3
229	21.6	16.2	24.4

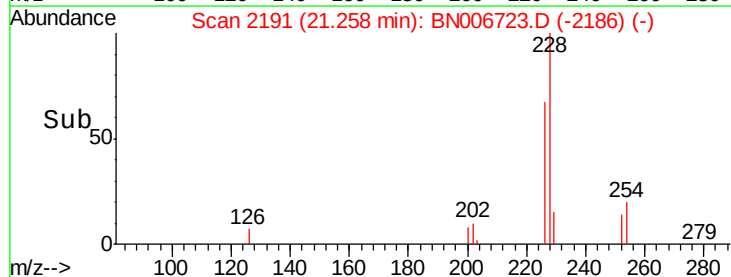
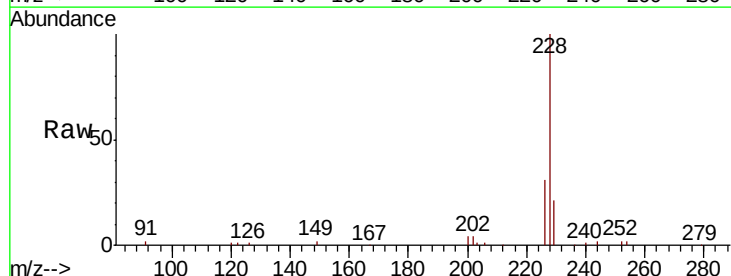
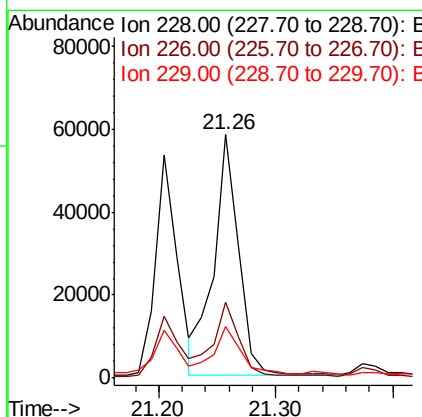
Manual Integrations
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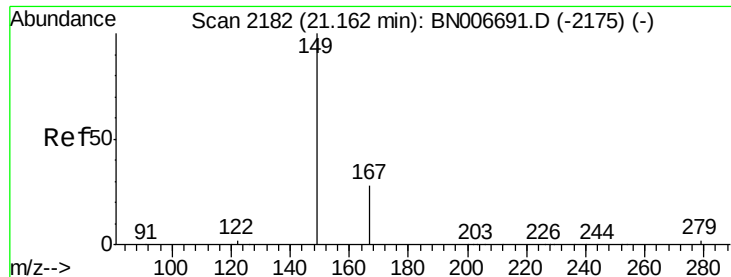
mohammad
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#31
Chrysene
Concen: 1.513 ng
RT: 21.26 min Scan# 2191
Delta R.T. -0.04 min
Lab File: BN006723.D
Acq: 05 Jul 2019 19:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.2	36.2
229	21.1	15.8	23.6





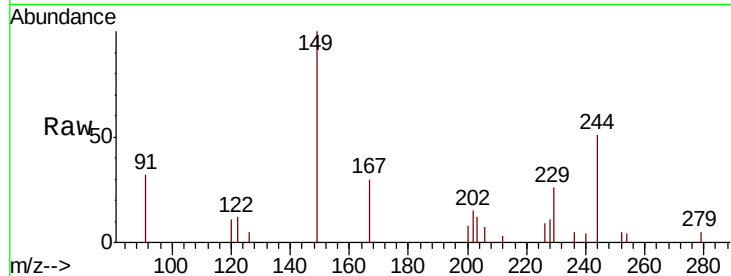
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.022 ng
 RT: 21.13 min Scan# 2179
 Delta R.T. -0.03 min
 Lab File: BN006723.D
 Acq: 05 Jul 2019 19:26

Instrument :
 BNA_N
 ClientSampleId :
 PST-016-B237-062619

Tot Ion	Ratio	Lower	Upper
149	100		
167	31.1	22.9	34.3
279	4.5	3.2	4.8

Manual Integrations
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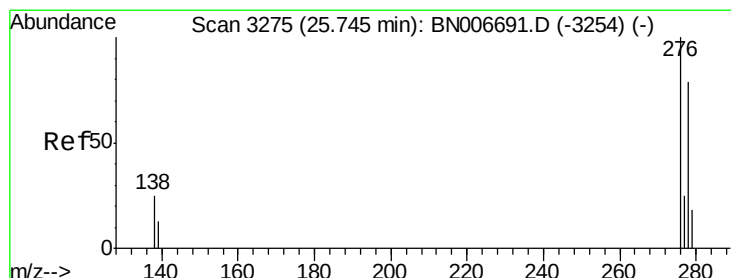
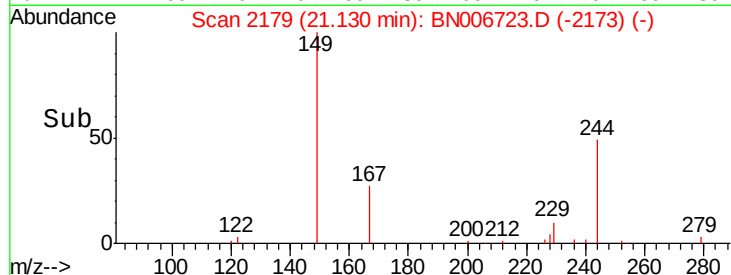
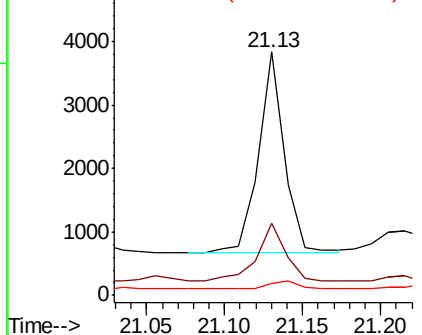


Abundance

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: 0.506 ng
 RT: 25.67 min Scan# 3252
 Delta R.T. -0.08 min
 Lab File: BN006723.D
 Acq: 05 Jul 2019 19:26

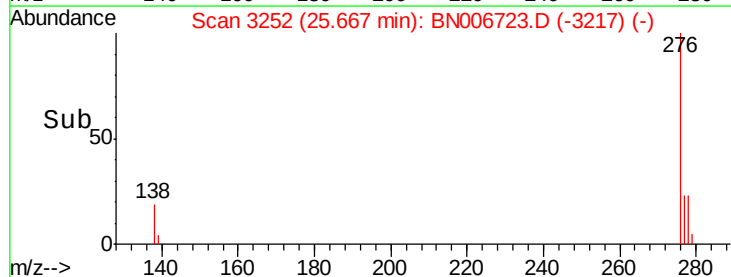
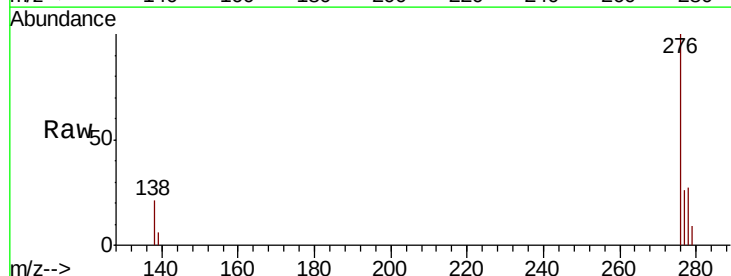
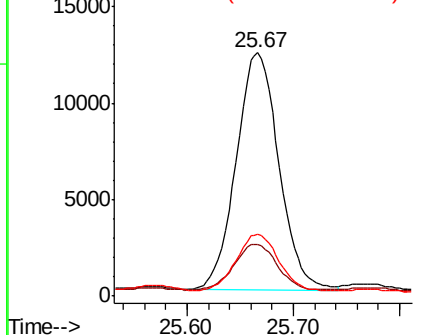
Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.7	19.5	29.3
277	23.5	19.7	29.5

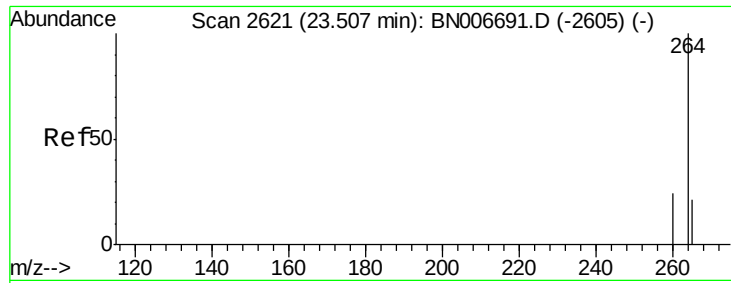
Abundance

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





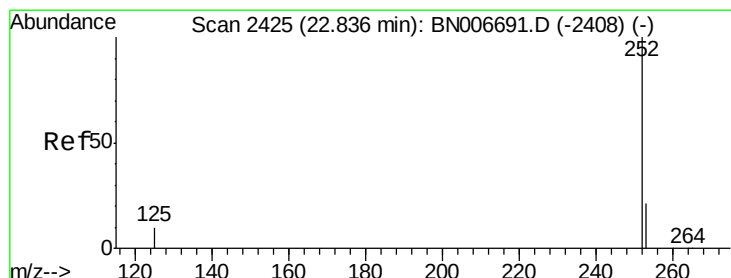
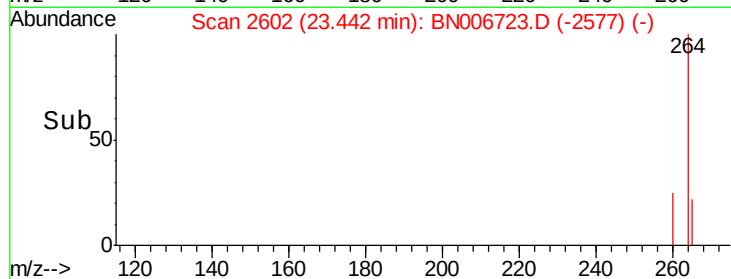
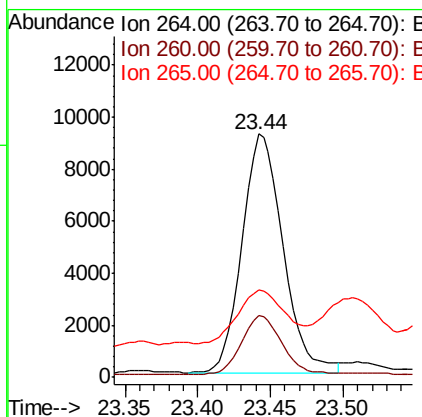
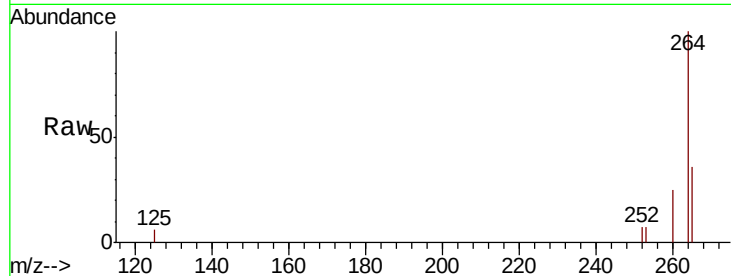
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.44 min Scan# 2602
Delta R.T. -0.07 min
Lab File: BN006723.D
Acq: 05 Jul 2019 19:26

Instrument :
BNA_N
ClientSampleId :
PST-016-B237-062619

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.2	30.2
265	35.7	33.7	50.5

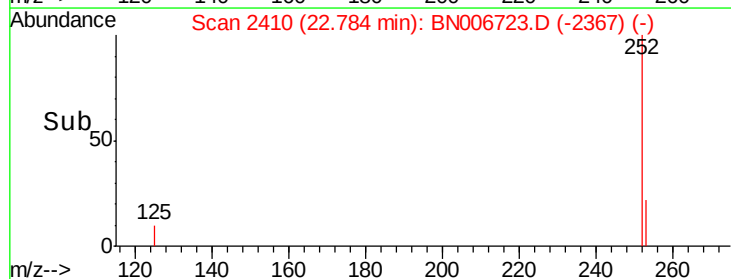
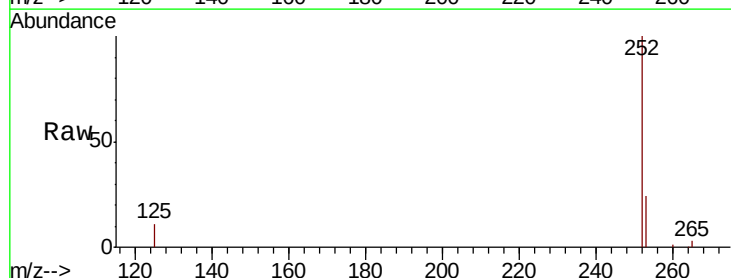
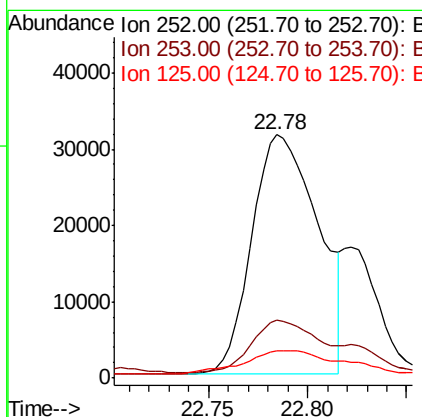
Manual Integrations
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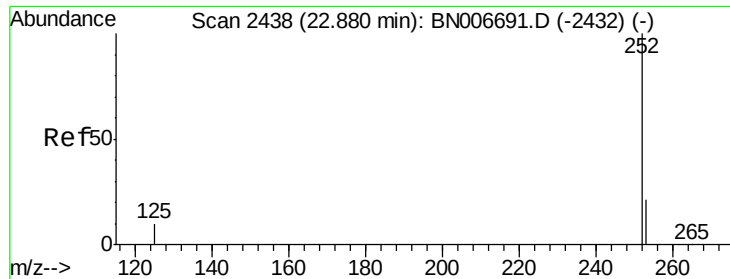
mohammad
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#35
Benzo(b)fluoranthene
Concen: 1.264 ng
RT: 22.78 min Scan# 2410
Delta R.T. -0.05 min
Lab File: BN006723.D
Acq: 05 Jul 2019 19:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	20.2	30.2
125	11.4	11.5	17.3





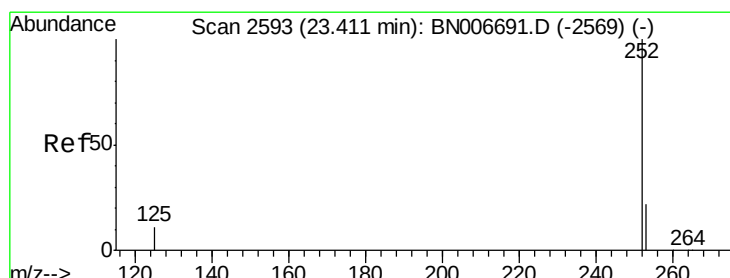
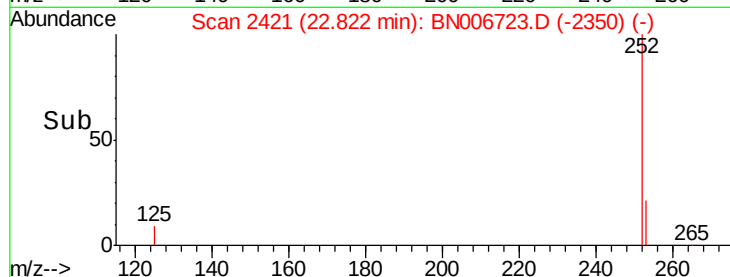
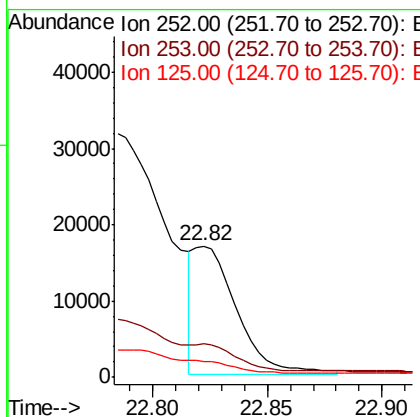
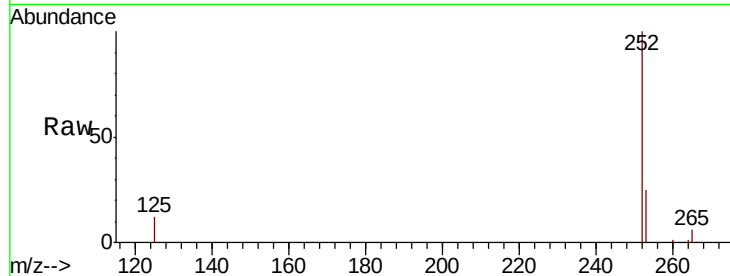
#36
Benzo(k)fluoranthene
Concen: 0.352 ng m
RT: 22.82 min Scan# 2421
Delta R.T. -0.06 min
Lab File: BN006723.D
Acq: 05 Jul 2019 19:26

Instrument :
BNA_N
ClientSampleId :
PST-016-B237-062619

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.3	20.1	30.1
125	12.3	11.4	17.0

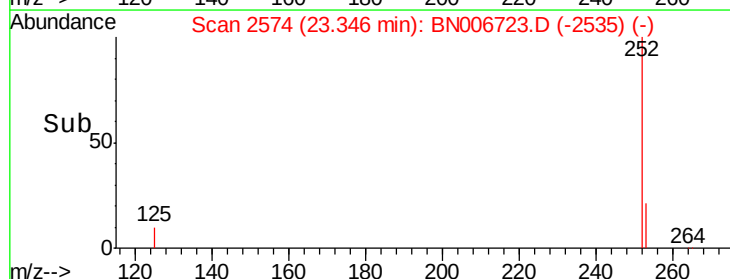
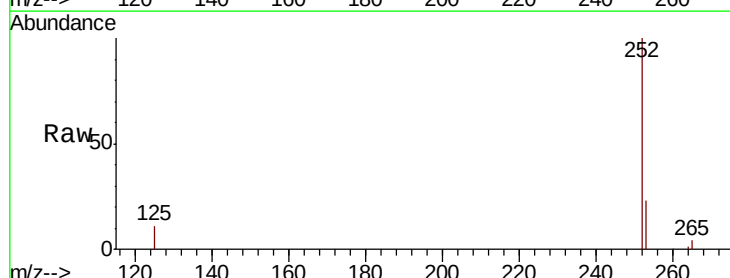
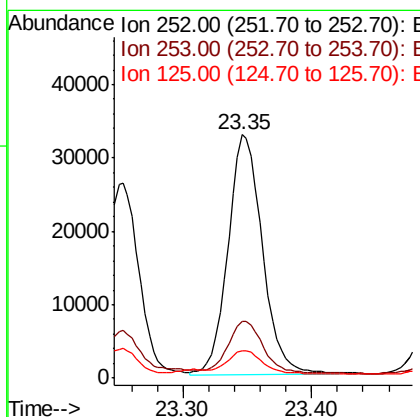
Manual Integrations
APPROVED

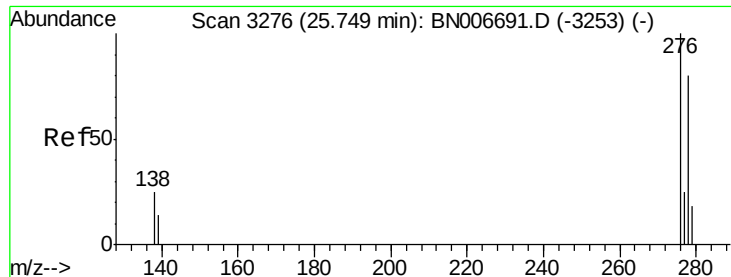
mohammad
7/8/2019 2:16:01 PM



#37
Benzo(a)pyrene
Concen: 1.087 ng m
RT: 23.35 min Scan# 2574
Delta R.T. -0.07 min
Lab File: BN006723.D
Acq: 05 Jul 2019 19:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	21.4	32.2
125	11.4	13.3	19.9





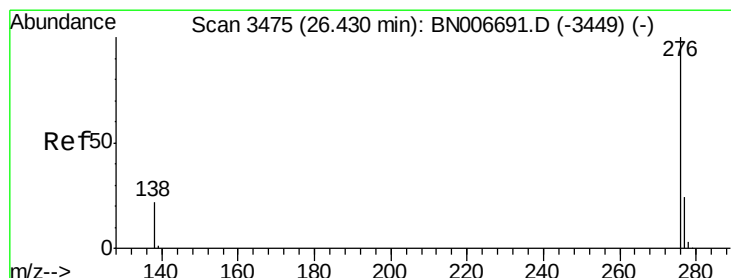
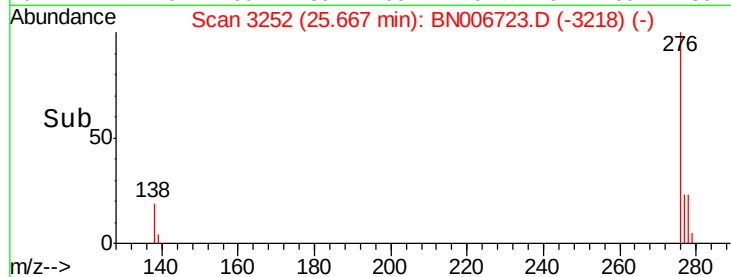
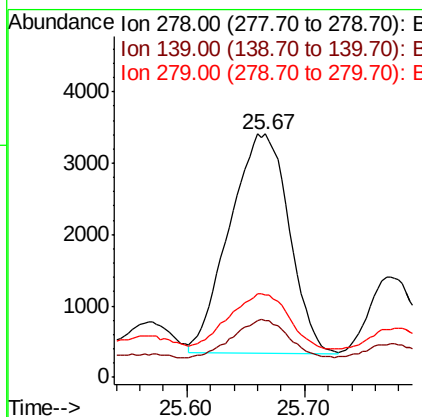
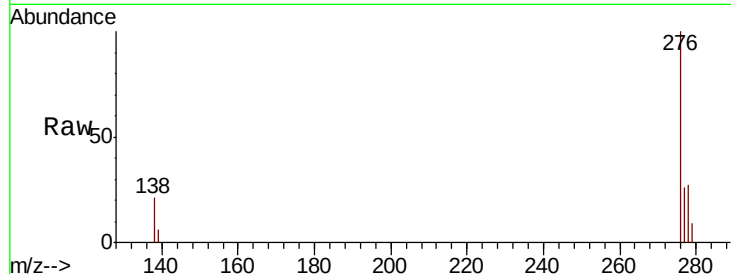
#38
Dibenzo(a,h)anthracene
Concen: 0.194 ng
RT: 25.67 min Scan# 3252
Delta R.T. -0.08 min
Lab File: BN006723.D
Acq: 05 Jul 2019 19:26

Instrument :
BNA_N
ClientSampleId :
PST-016-B237-062619

Tot Ion	Ratio	Lower	Upper
278	100		
139	23.2	16.2	24.4
279	34.0	20.7	31.1

Manual Integrations
APPROVED

mohammad
7/8/2019 2:16:01 PM



#39
Benzo(g,h,i)perylene
Concen: 0.707 ng
RT: 26.34 min Scan# 3449
Delta R.T. -0.09 min
Lab File: BN006723.D
Acq: 05 Jul 2019 19:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	20.6	30.8
138	21.6	19.7	29.5

