

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070519\
 Data File : BN006724.D
 Acq On : 05 Jul 2019 20:00
 Operator : HP/JU
 Sample : K3558-14
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-016-B236-062619

Manual Integrations
 APPROVED

mohammad
 7/10/2019 8:26:54 AM

Quant Time: Jul 08 09:06:17 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	2806	0.40	ng	-0.02
7) Naphthalene-d8	10.36	136	10933	0.40	ng	-0.03
13) Acenaphthene-d10	14.24	164	6738	0.40	ng	-0.02
19) Phenanthrene-d10	17.00	188	15468	0.40	ng	-0.02
27) Chrysene-d12	21.23	240	16183	0.40	ng	-0.03
34) Perylene-d12	23.45	264	18087	0.40	ng	-0.06

System Monitoring Compounds

4) 2-Fluorophenol	5.22	112	1853	0.24	ng	-0.02
5) Phenol-d6	6.80	99	2522	0.26	ng	-0.03
8) Nitrobenzene-d5	8.79	82	1475m	0.18	ng	0.00
11) 2-Methylnaphthalene-d10	11.98	152	3977	0.24	ng	-0.02
14) 2,4,6-Tribromophenol	15.77	330	747	0.23	ng	-0.02
15) 2-Fluorobiphenyl	12.86	172	5423	0.21	ng	-0.02
25) Fluoranthene-d10	19.05	212	9560	0.22	ng	-0.03
29) Terphenyl-d14	19.65	244	7482	0.20	ng	-0.02

Target Compounds

						Qvalue
9) Naphthalene	10.42	128	2064	0.069	ng	# 82
12) 2-Methylnaphthalene	12.05	142	2079	0.061	ng	# 95
16) Acenaphthylene	13.96	152	9432	0.281	ng	98
17) Acenaphthene	14.30	154	2771	0.129	ng	92
18) Fluorene	15.30	166	5327	0.200	ng	94
23) Phenanthrene	17.05	178	156833	3.518	ng	100
24) Anthracene	17.14	178	16601	0.412	ng	# 95
26) Fluoranthene	19.08	202	160552	3.067	ng	98
28) Pyrene	19.44	202	245060	3.784	ng	97
30) Benzo(a)anthracene	21.20	228	102087	1.829	ng	98
31) Chrysene	21.26	228	116216	2.020	ng	98
33) Indeno(1,2,3-cd)pyrene	25.67	276	44641	0.649	ng	95
35) Benzo(b)fluoranthene	22.79	252	97528	1.680	ng	# 94
36) Benzo(k)fluoranthene	22.82	252	32887m	0.522	ng	
37) Benzo(a)pyrene	23.35	252	80311m	1.428	ng	
38) Dibenzo(a,h)anthracene	25.67	278	14824	0.265	ng	# 92
39) Benzo(a,h,i)perylene	26.34	276	51029	0.887	ng	96

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

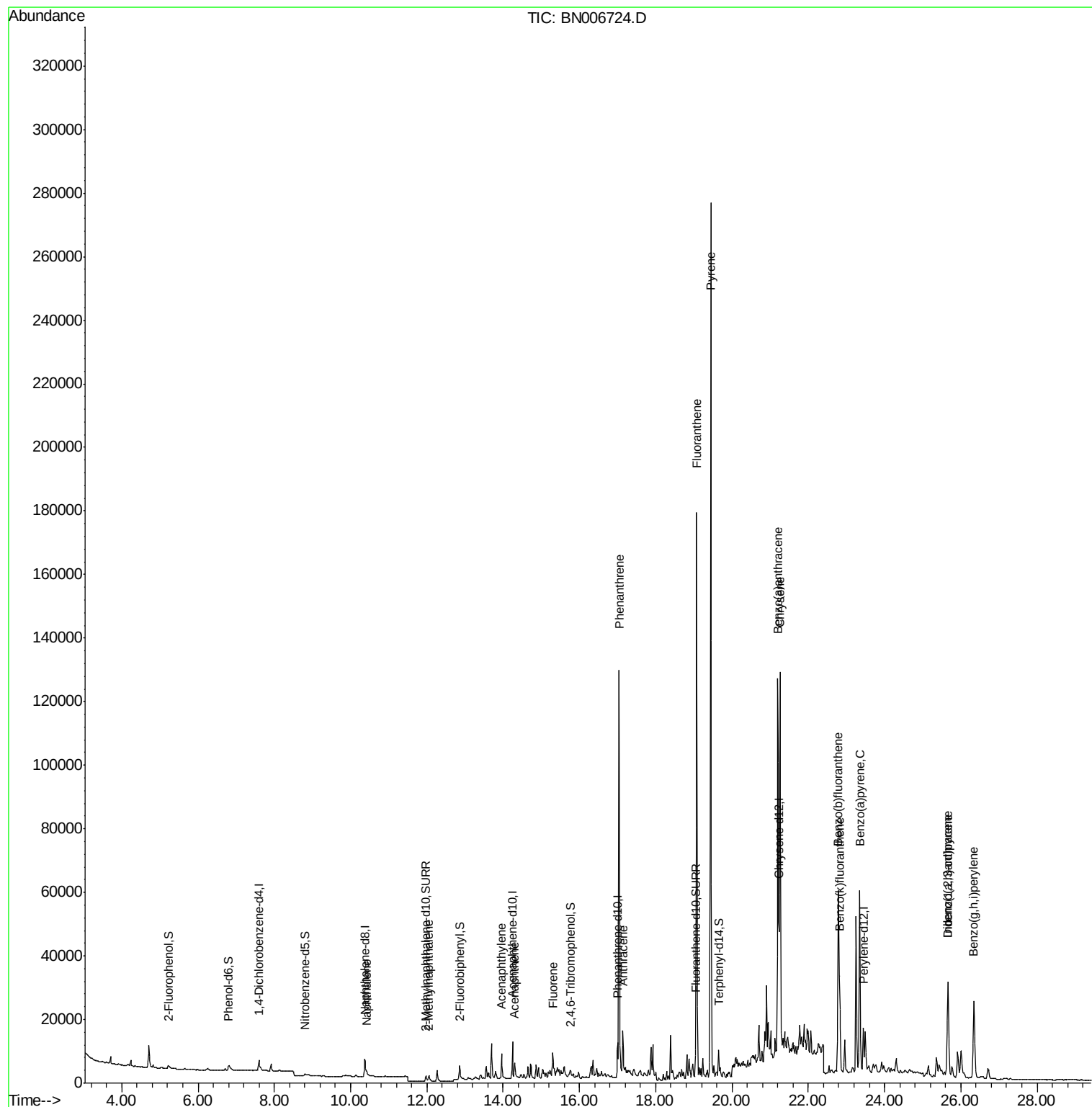
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070519\
Data File : BN006724.D
Acq On : 05 Jul 2019 20:00
Operator : HP/JU
Sample : K3558-14
Misc :
ALS Vial : 14 Sample Multiplier: 1

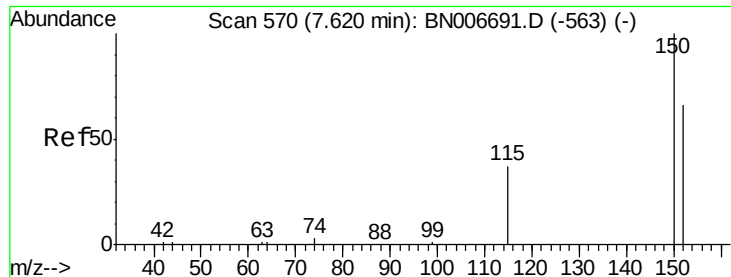
Instrument :
BNA_N
ClientSampleId :
PST-016-B236-062619

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7/10/2019 8:26:54 AM

Quant Time: Jul 08 09:06:17 2019
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

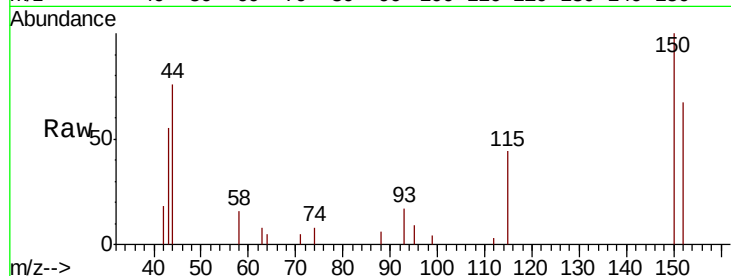
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.60 min Scan# 567
Delta R.T. -0.02 min
Lab File: BN006724.D
Acq: 05 Jul 2019 20:00

Instrument :
BNA_N
ClientSampleId :
PST-016-B236-062619

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.3	120.6	181.0
115	66.4	51.0	76.6

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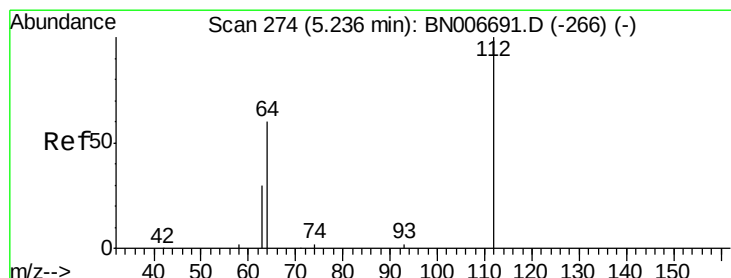
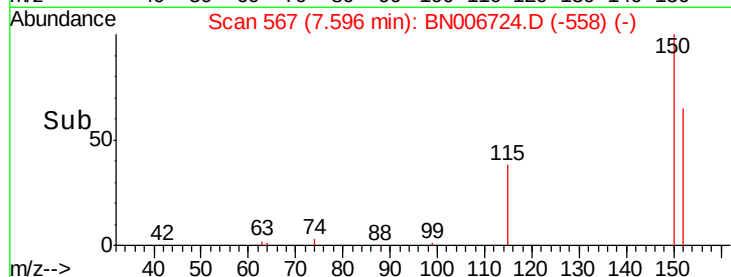
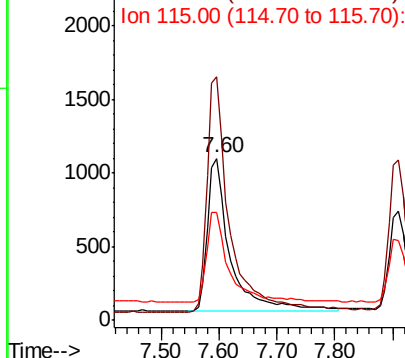


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

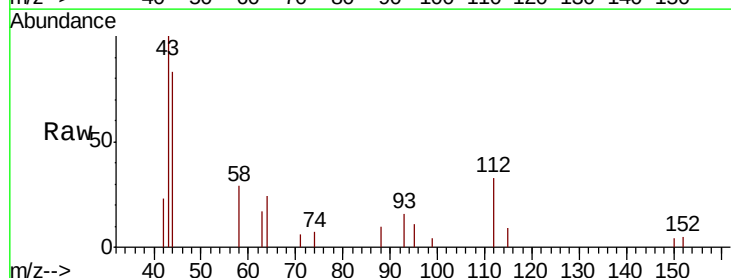
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.243 ng
RT: 5.22 min Scan# 272
Delta R.T. -0.02 min
Lab File: BN006724.D
Acq: 05 Jul 2019 20:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.7	49.8	74.6
63	37.0	25.8	38.6

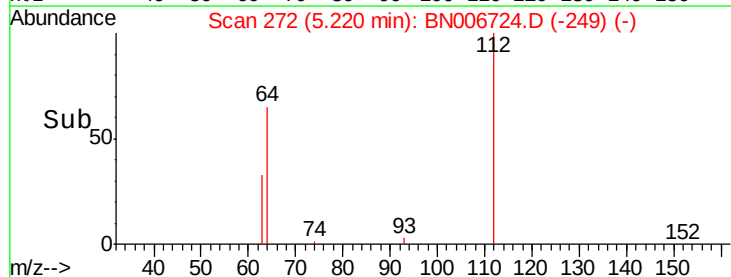
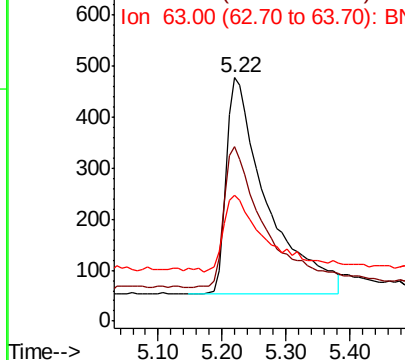


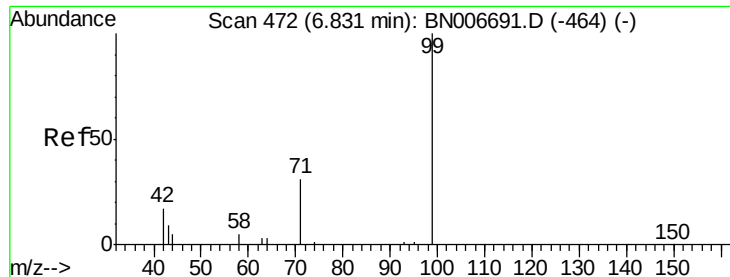
Abundance

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: 0.261 ng

RT: 6.80 min Scan# 468

Delta R.T. -0.03 min

Lab File: BN006724.D

Acq: 05 Jul 2019 20:00

Instrument :

BNA_N

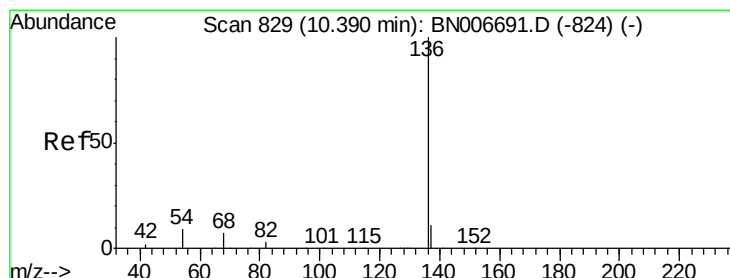
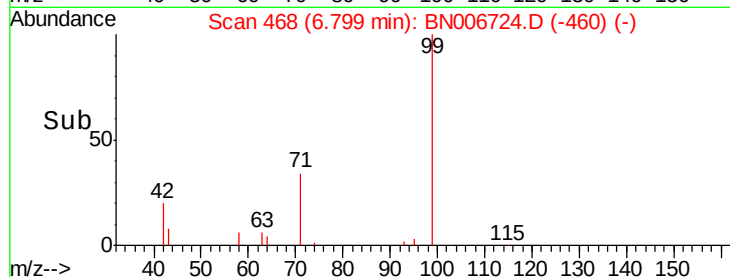
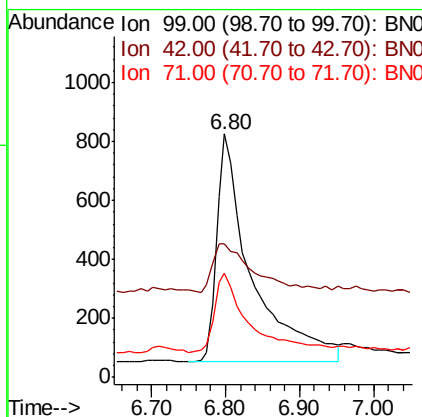
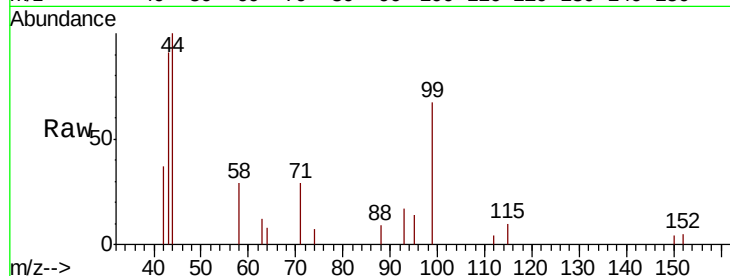
ClientSampleId :

PST-016-B236-062619

Tot Ion:	99	Resp:	2522
Ion	Ratio	Lower	Upper
99	100		
42	25.7	16.6	25.0#
71	35.7	26.0	39.0

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#7

Naphthalene-d8

Concen: 0.400 ng

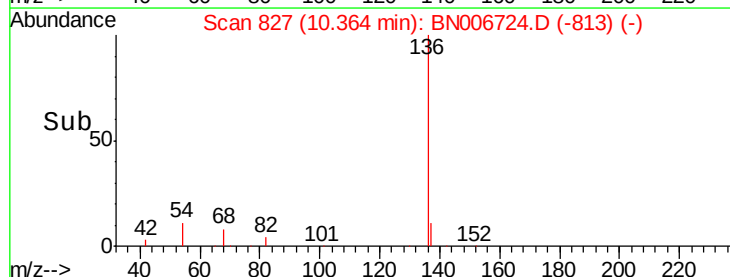
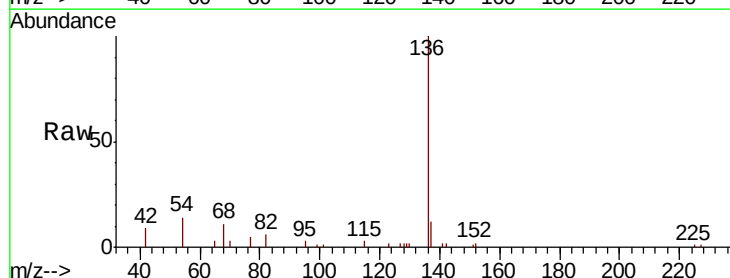
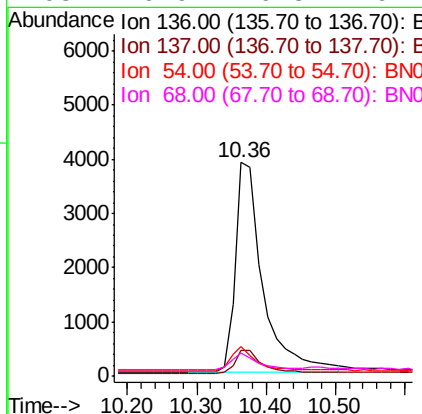
RT: 10.36 min Scan# 827

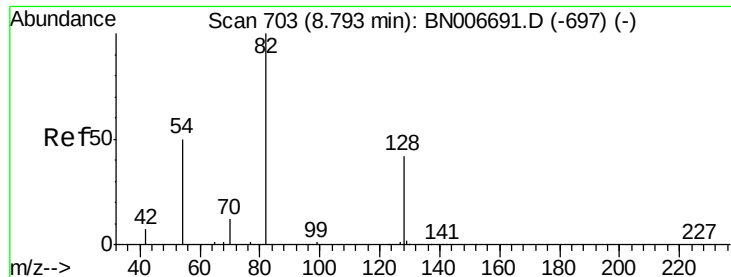
Delta R.T. -0.03 min

Lab File: BN006724.D

Acq: 05 Jul 2019 20:00

Tgt Ion:	136	Resp:	10933
Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.3	13.9
54	13.7	8.4	12.6#
68	10.9	6.8	10.2#





#8

Nitrobenzene-d5

Concen: 0.176 ng/mL

RT: 8.79 min Scan# 703

Delta R.T. 0.00 min

Lab File: BN006724.D

Acq: 05 Jul 2019 20:00

Instrument :

BNA_N

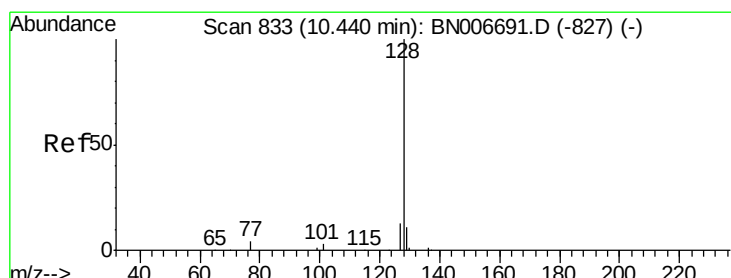
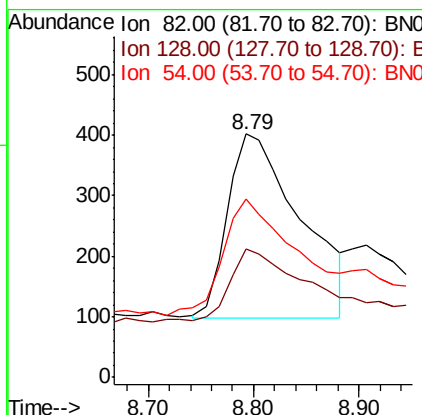
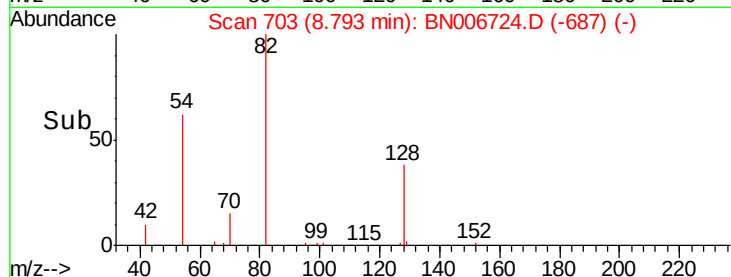
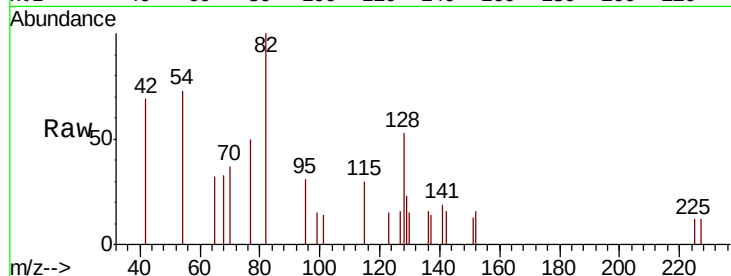
ClientSampleId :

PST-016-B236-062619

Tot Ion:	82	Resp:	1475
Ion Ratio	Lower	Upper	
82	100		
128	52.7	36.1	54.1
54	73.1	44.5	66.7#

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#9

Naphthalene

Concen: 0.069 ng/mL

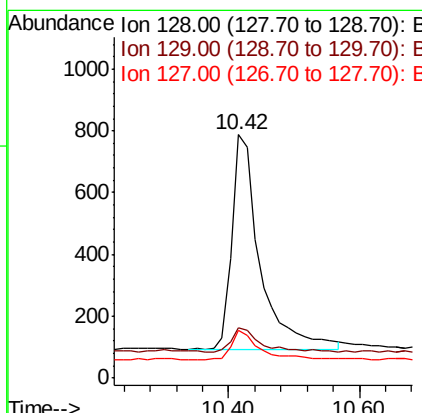
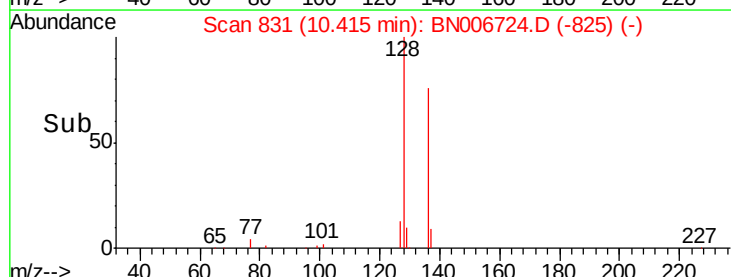
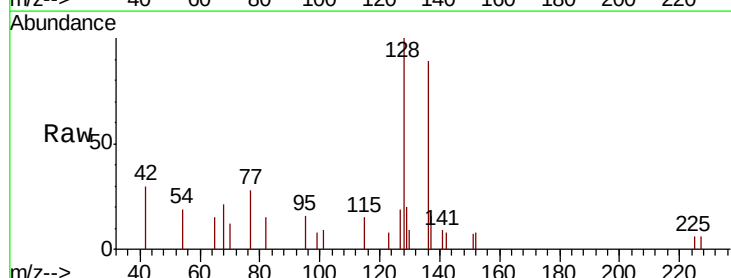
RT: 10.42 min Scan# 831

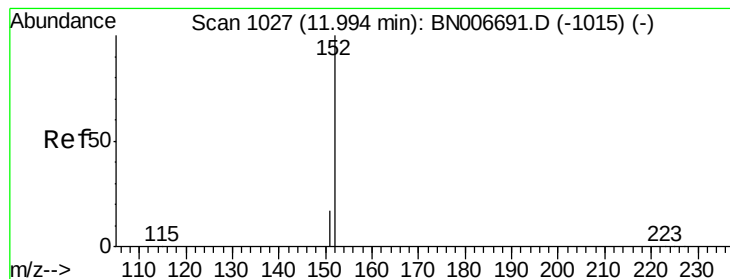
Delta R.T. -0.03 min

Lab File: BN006724.D

Acq: 05 Jul 2019 20:00

Tgt Ion:	128	Resp:	2064
Ion Ratio	Lower	Upper	
128	100		
129	20.4	9.6	14.4#
127	19.4	11.0	16.4#





#11

2-Methylnaphthalene-d10

Concen: 0.242 ng

RT: 11.98 min Scan# 1023

Delta R.T. -0.02 min

Lab File: BN006724.D

Acq: 05 Jul 2019 20:00

Instrument :

BNA_N

ClientSampleId :

PST-016-B236-062619

Tot Ion:152 Resp: 3977

Ion Ratio Lower Upper

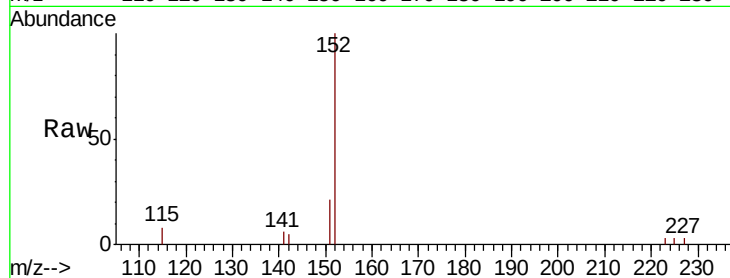
152 100

151 18.2 14.9 22.3

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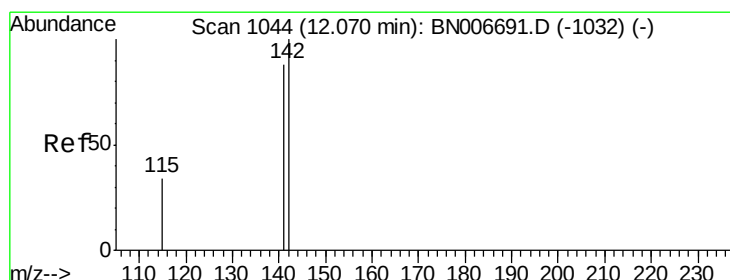
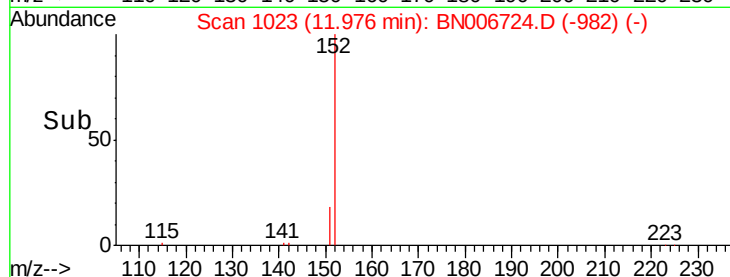
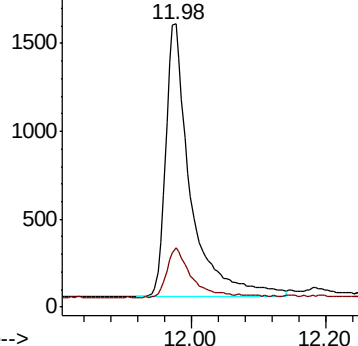
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E



#12

2-Methylnaphthalene

Concen: 0.061 ng

RT: 12.05 min Scan# 1039

Delta R.T. -0.02 min

Lab File: BN006724.D

Acq: 05 Jul 2019 20:00

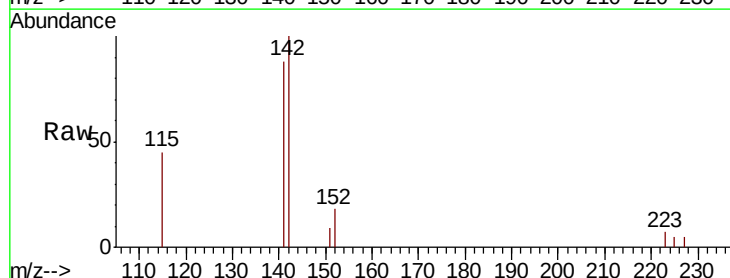
Tgt Ion:142 Resp: 2079

Ion Ratio Lower Upper

142 100

141 88.5 70.3 105.5

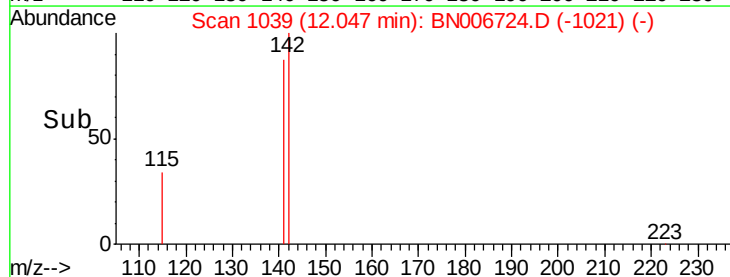
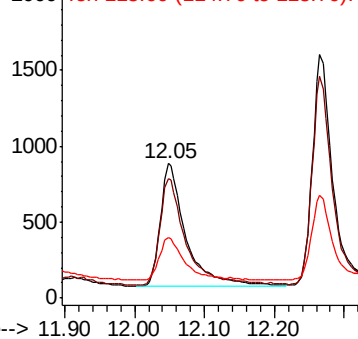
115 45.0 28.9 43.3#

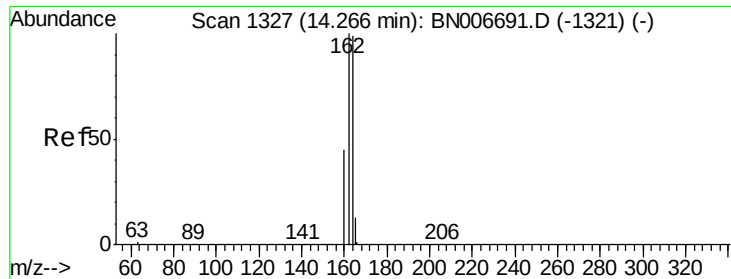


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





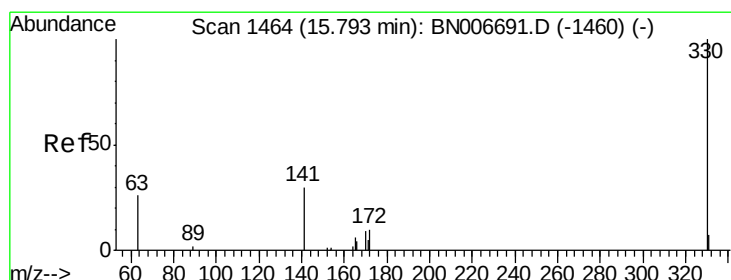
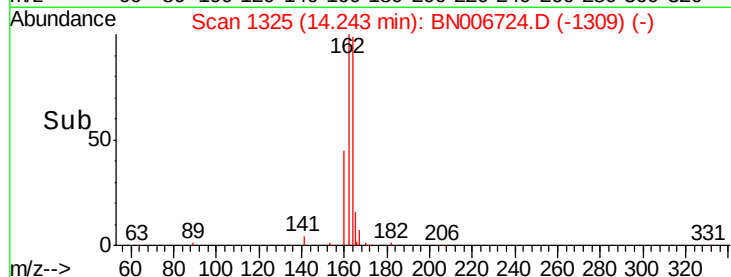
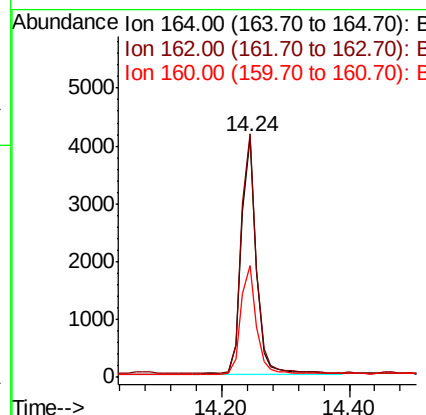
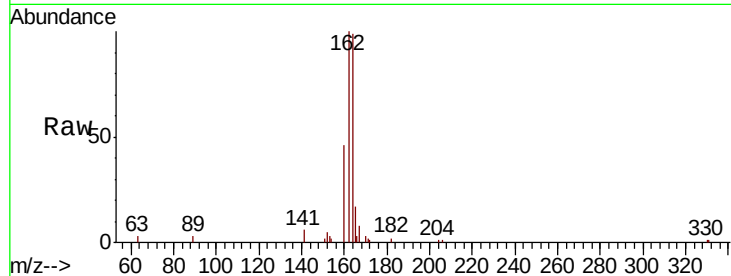
#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.24 min Scan# 1325
 Delta R.T. -0.02 min
 Lab File: BN006724.D
 Acq: 05 Jul 2019 20:00

Instrument :
 BNA_N
 ClientSampleId :
 PST-016-B236-062619

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.5	80.8	121.2
160	46.5	37.0	55.6

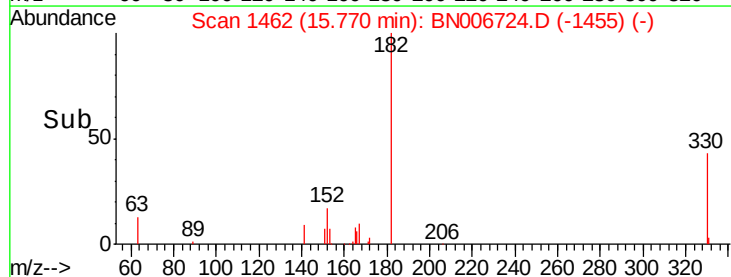
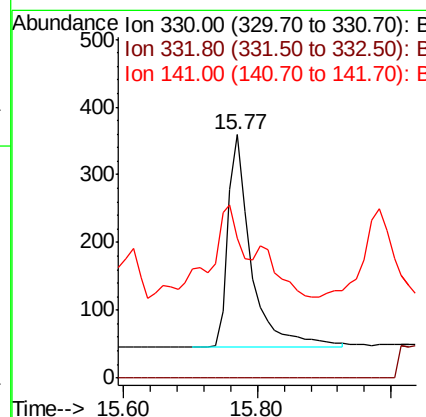
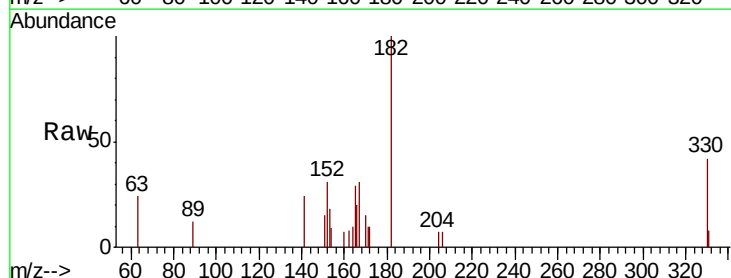
Manual Integrations
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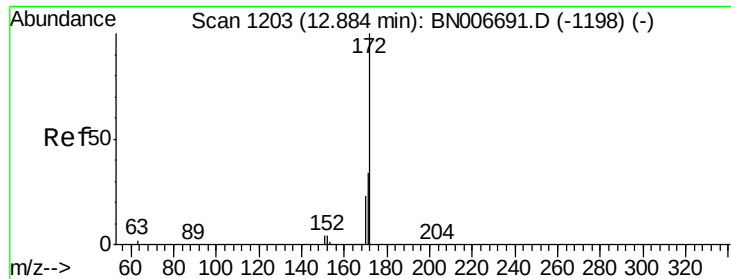
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#14
 2,4,6-Tribromophenol
 Concen: 0.226 ng
 RT: 15.77 min Scan# 1462
 Delta R.T. -0.02 min
 Lab File: BN006724.D
 Acq: 05 Jul 2019 20:00

Tgt Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	39.1	24.8	37.2#





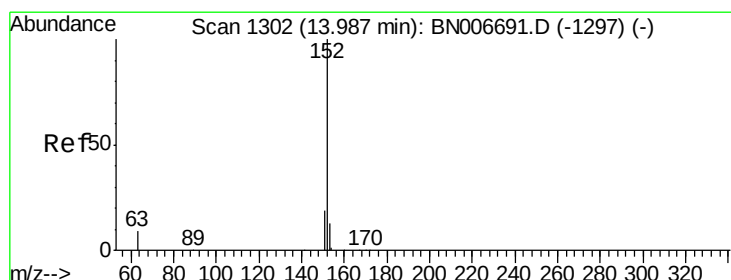
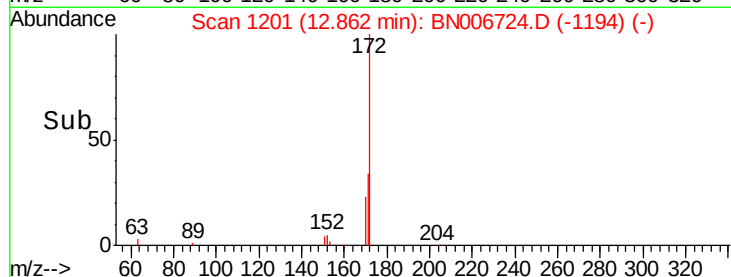
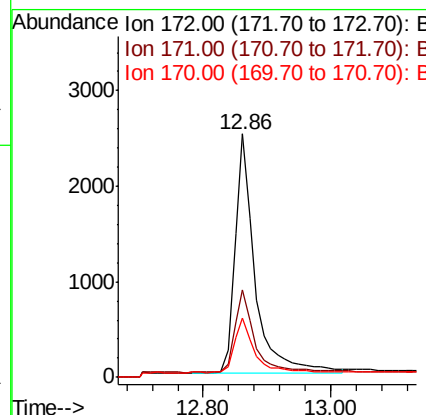
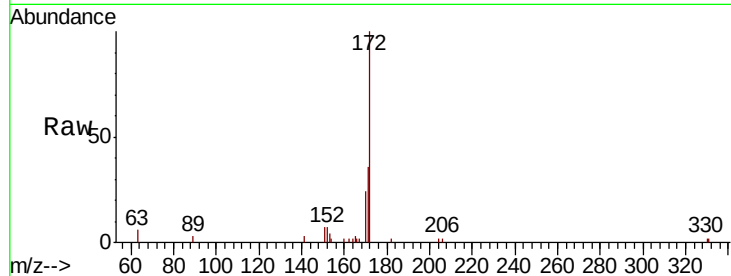
#15
2-Fluorobiphenyl
Concen: 0.206 ng
RT: 12.86 min Scan# 1201
Delta R.T. -0.02 min
Lab File: BN006724.D
Acq: 05 Jul 2019 20:00

Instrument :
BNA_N
ClientSampleId :
PST-016-B236-062619

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	27.8	41.6
170	24.4	18.9	28.3

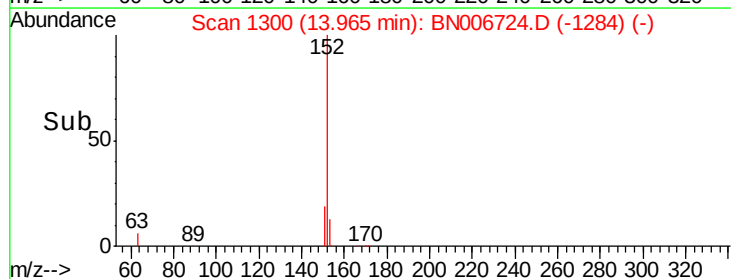
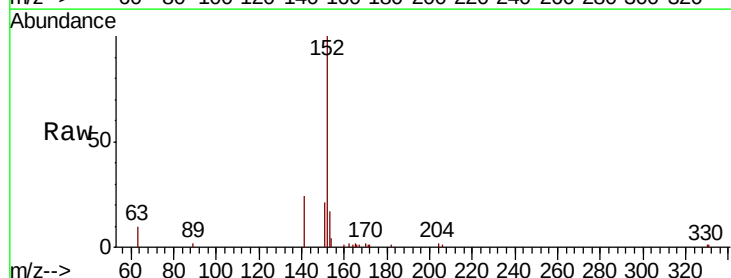
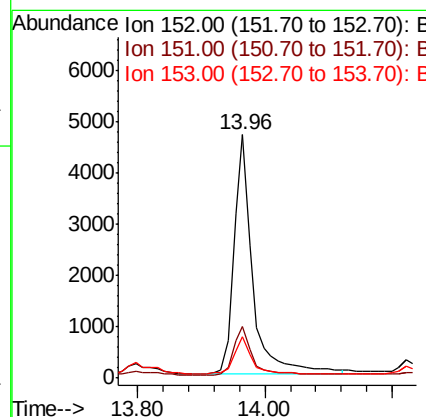
Manual Integrations
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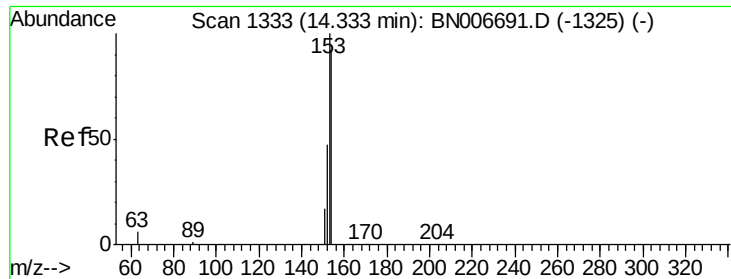
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#16
Acenaphthylene
Concen: 0.281 ng
RT: 13.96 min Scan# 1300
Delta R.T. -0.02 min
Lab File: BN006724.D
Acq: 05 Jul 2019 20:00

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





#17

Acenaphthene

Concen: 0.129 ng

RT: 14.30 min Scan# 1330

Delta R.T. -0.03 min

Lab File: BN006724.D

Acq: 05 Jul 2019 20:00

Instrument :

BNA_N

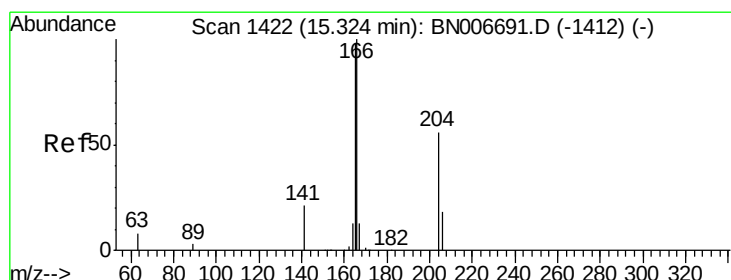
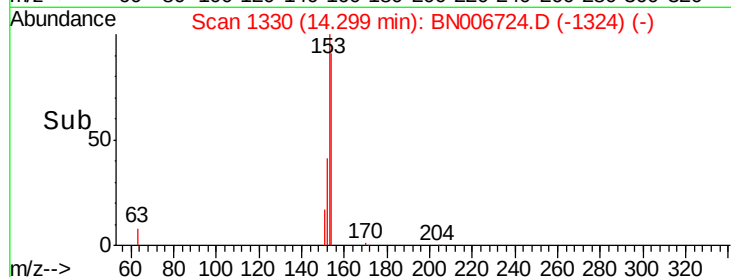
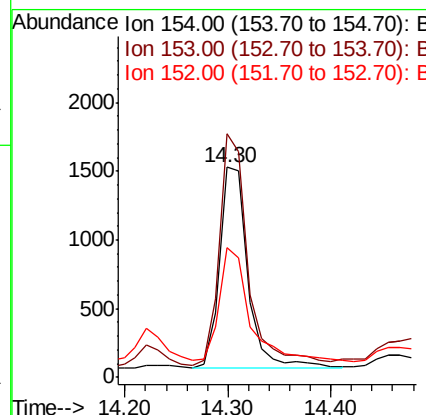
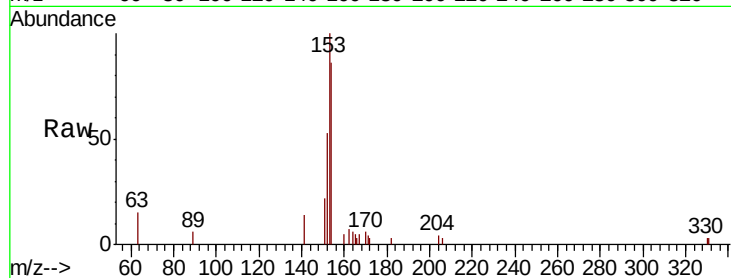
ClientSampleId :

PST-016-B236-062619

Tot Ion:	154	Resp:	2771
Ion	Ratio	Lower	Upper
154	100		
153	116.5	88.9	133.3
152	62.5	42.8	64.2

Manual Integrations
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#18

Fluorene

Concen: 0.200 ng

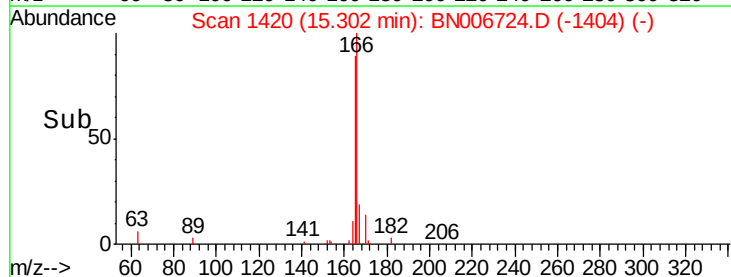
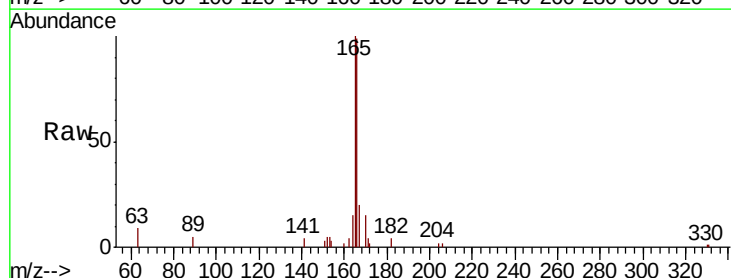
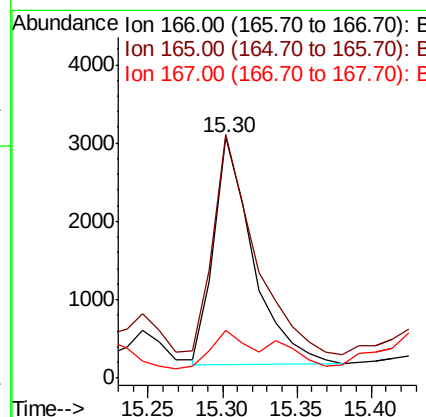
RT: 15.30 min Scan# 1420

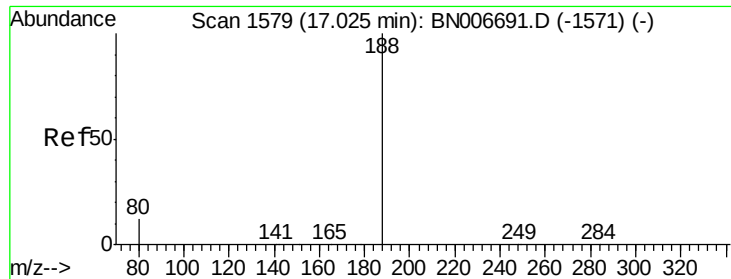
Delta R.T. -0.02 min

Lab File: BN006724.D

Acq: 05 Jul 2019 20:00

Tgt Ion:	166	Resp:	5327
Ion	Ratio	Lower	Upper
166	100		
165	103.3	78.0	117.0
167	15.9	10.7	16.1





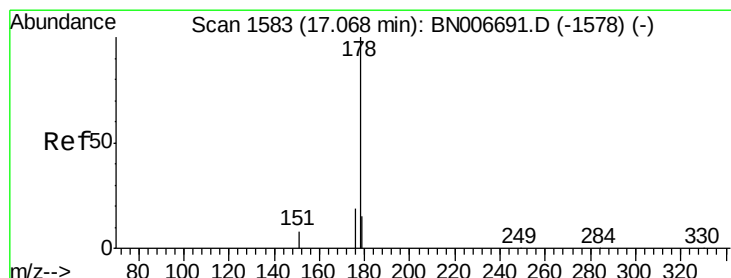
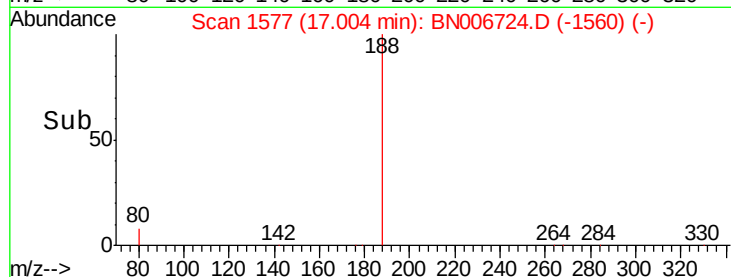
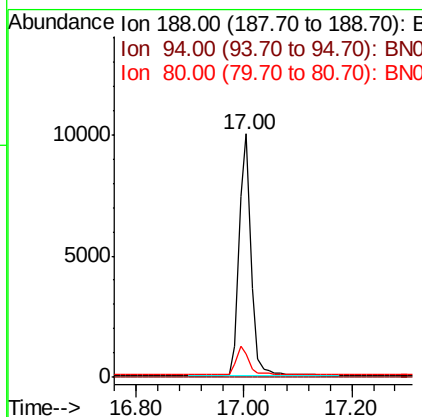
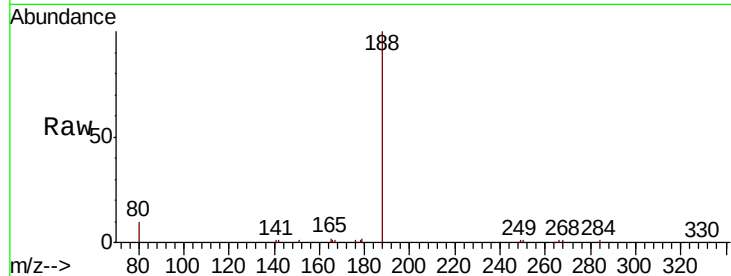
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.00 min Scan# 1577
Delta R.T. -0.02 min
Lab File: BN006724.D
Acq: 05 Jul 2019 20:00

Instrument :
BNA_N
ClientSampleId :
PST-016-B236-062619

Tot Ion	Ratio	Resp	Lower	Upper
188	100	15468		
94	0.0	0.0	0.0	
80	9.8	10.3	15.5	

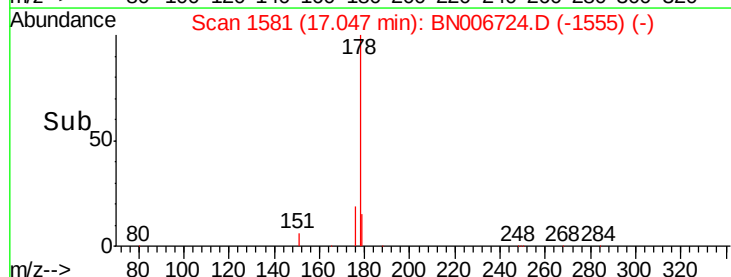
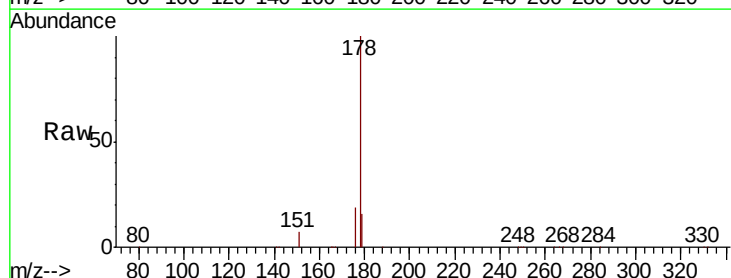
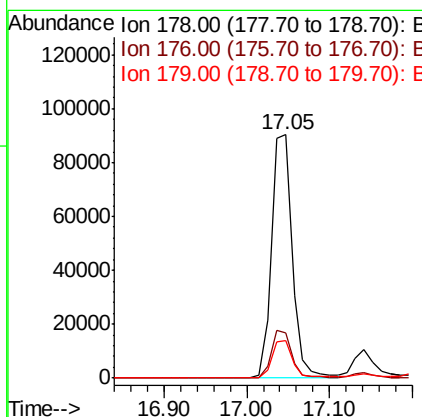
Manual Integrations
APPROVED

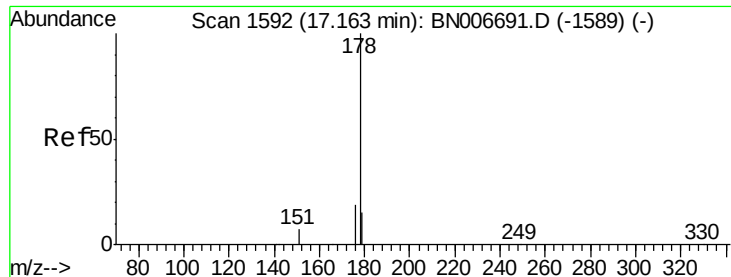
mohammad
7/10/2019 8:26:54 AM



#23
Phenanthrene
Concen: 3.518 ng
RT: 17.05 min Scan# 1581
Delta R.T. -0.02 min
Lab File: BN006724.D
Acq: 05 Jul 2019 20:00

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	156833		
176	19.2	15.3	22.9	
179	15.3	12.4	18.6	





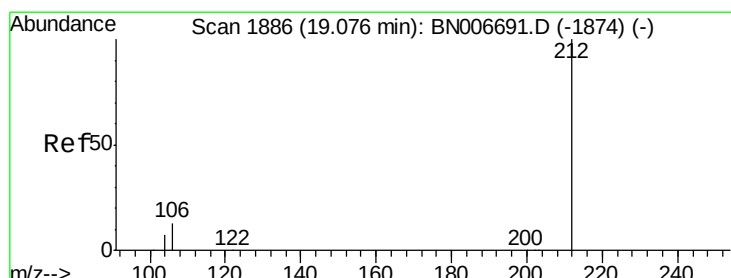
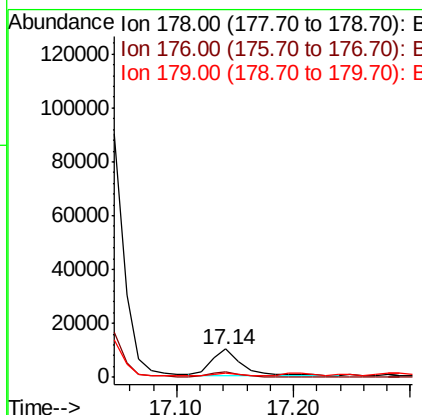
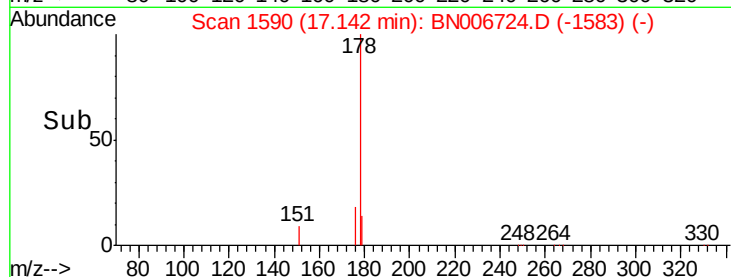
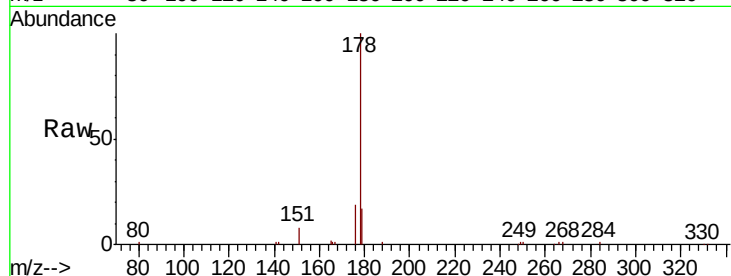
#24
 Anthracene
 Concen: 0.412 ng
 RT: 17.14 min Scan# 1590
 Delta R.T. -0.02 min
 Lab File: BN006724.D
 Acq: 05 Jul 2019 20:00

Instrument :
 BNA_N
 ClientSampleId :
 PST-016-B236-062619

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.8	22.2
179	11.4	11.9	17.9

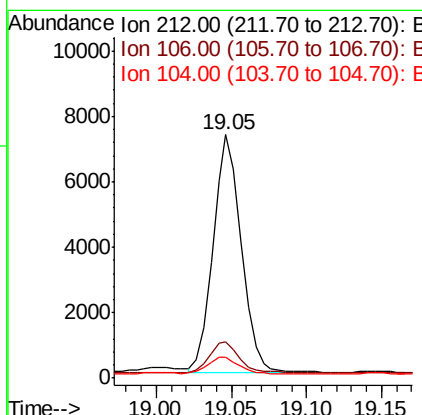
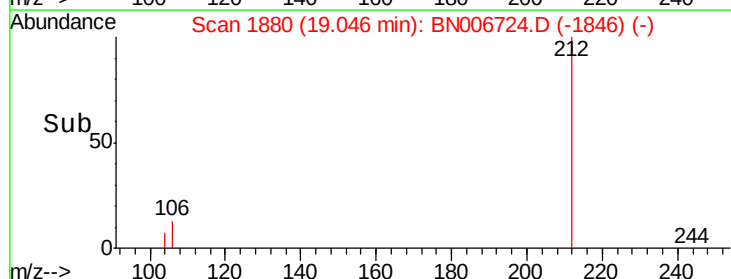
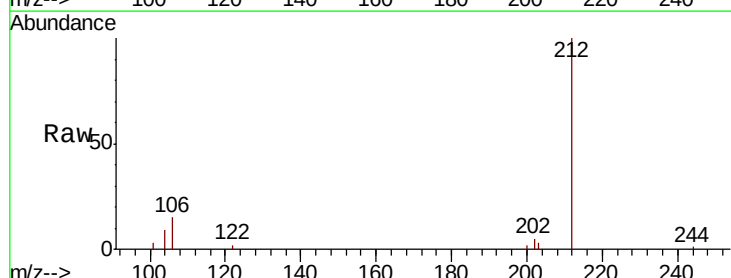
Manual Integrations
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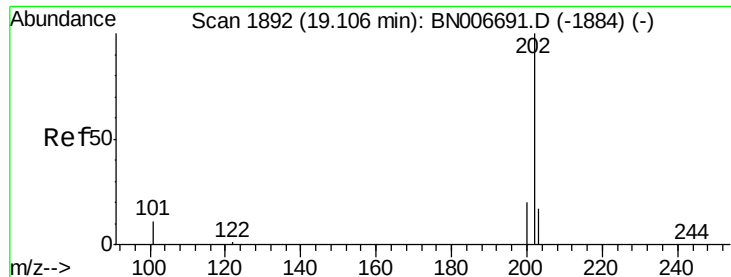
mohammad
 7/10/2019 8:26:54 AM



#25
 Fluoranthene-d10
 Concen: 0.216 ng
 RT: 19.05 min Scan# 1880
 Delta R.T. -0.03 min
 Lab File: BN006724.D
 Acq: 05 Jul 2019 20:00

Tgt Ion	Ratio	Lower	Upper
212	100		
106	13.7	11.0	16.6
104	7.6	6.1	9.1





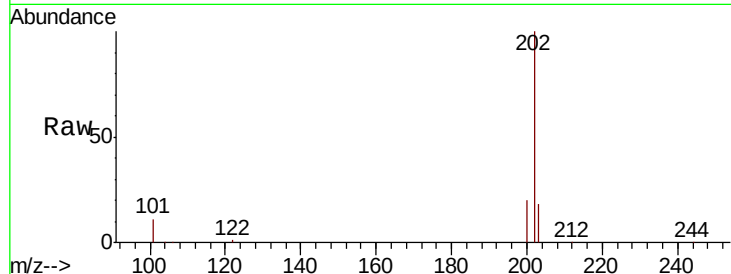
#26
Fluoranthene
Concen: 3.067 ng
RT: 19.08 min Scan# 1886
Delta R.T. -0.03 min
Lab File: BN006724.D
Acq: 05 Jul 2019 20:00

Instrument :
BNA_N
ClientSampleId :
PST-016-B236-062619

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.4	8.7	13.1
203	17.9	13.8	20.6

Manual Integrations
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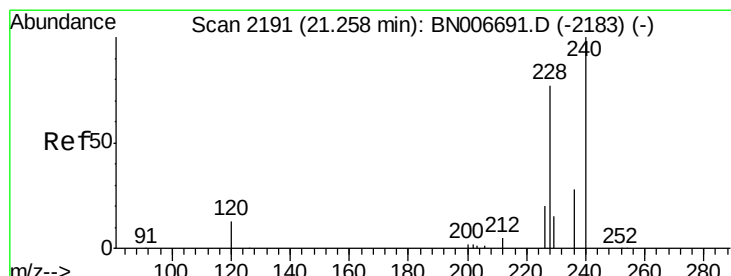
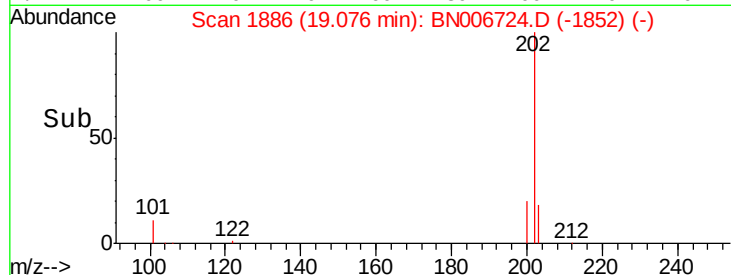
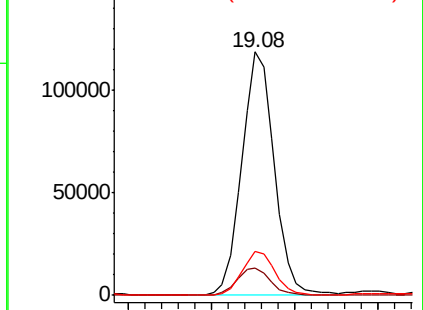


Abundance

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: 21.23 min Scan# 2188
Delta R.T. -0.03 min
Lab File: BN006724.D
Acq: 05 Jul 2019 20:00

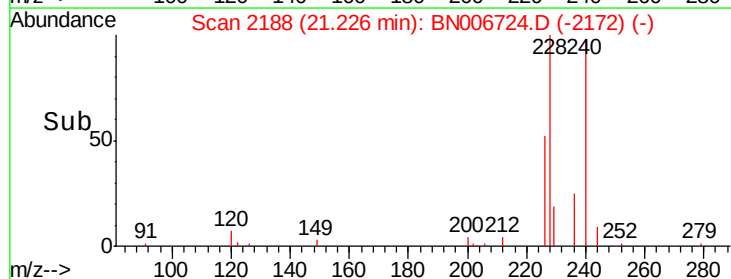
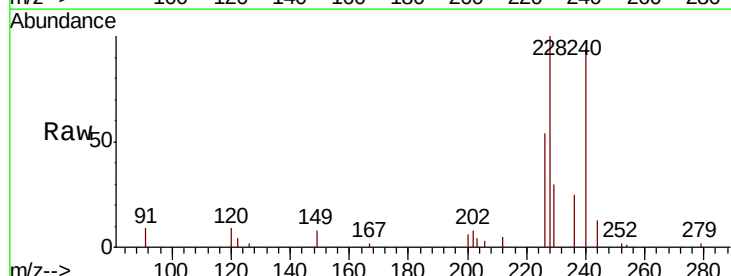
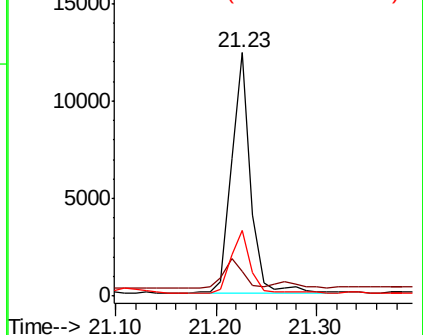
Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.0	12.9	19.3#
236	27.0	23.2	34.8

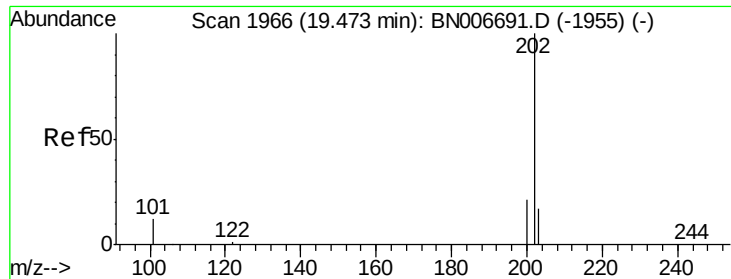
Abundance

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





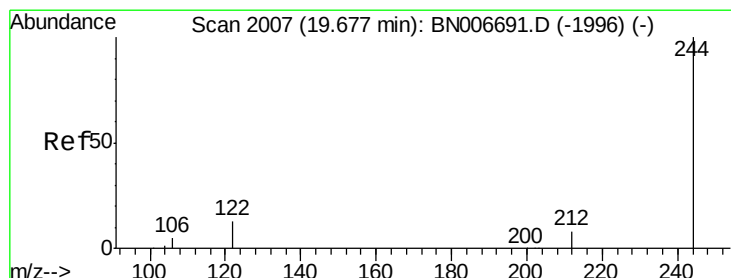
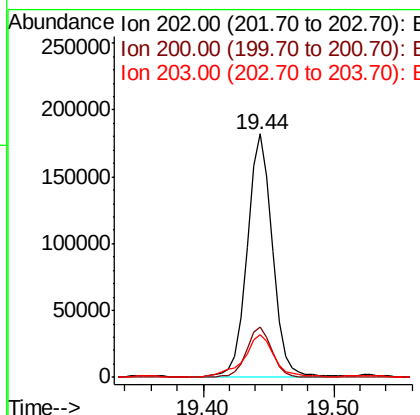
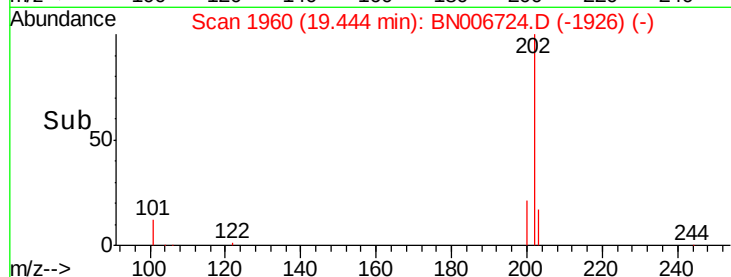
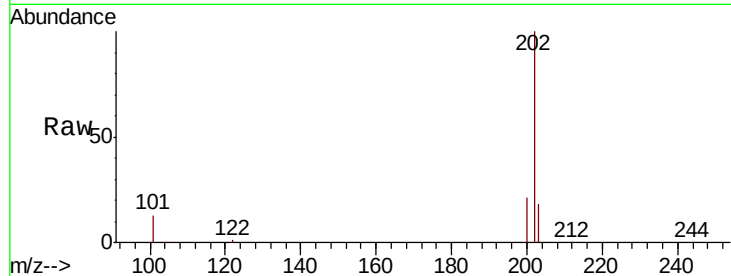
#28
Pvrene
Concen: 3.784 ng
RT: 19.44 min Scan# 1960
Delta R.T. -0.03 min
Lab File: BN006724.D
Acq: 05 Jul 2019 20:00

Instrument :
BNA_N
ClientSampleId :
PST-016-B236-062619

Tot Ion	Ratio	Resp	Lower	Upper
202	100	245060		
200	20.9	16.8	25.2	
203	20.6	14.2	21.2	

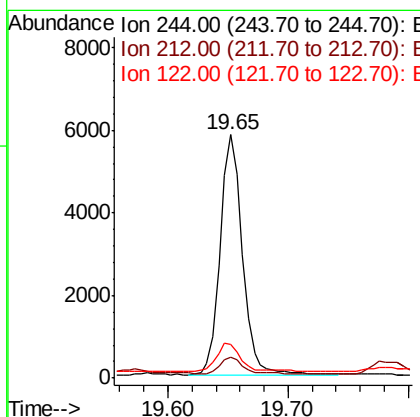
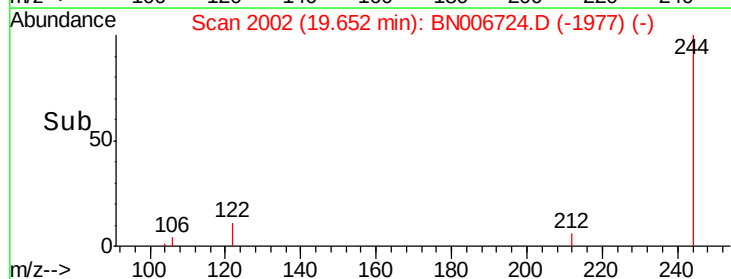
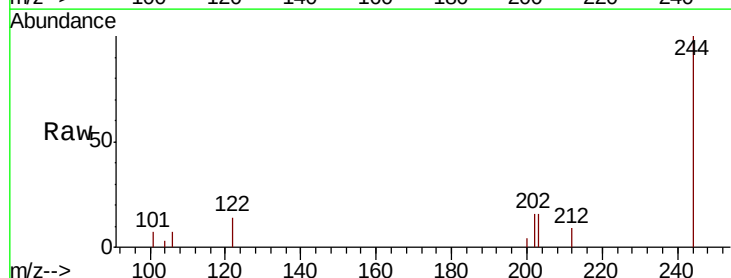
Manual Integrations
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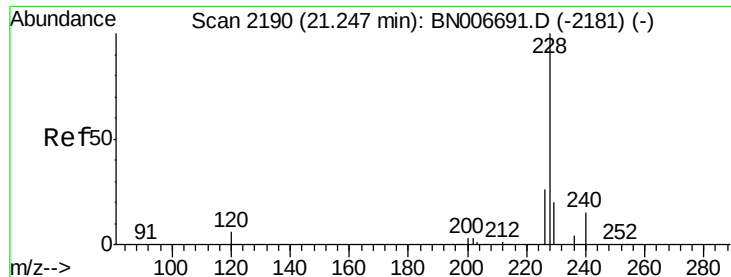
mohammad
7/10/2019 8:26:54 AM



#29
Terphenyl-d14
Concen: 0.201 ng
RT: 19.65 min Scan# 2002
Delta R.T. -0.02 min
Lab File: BN006724.D
Acq: 05 Jul 2019 20:00

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	7482		
212	8.8	7.0	10.4	
122	13.7	11.5	17.3	





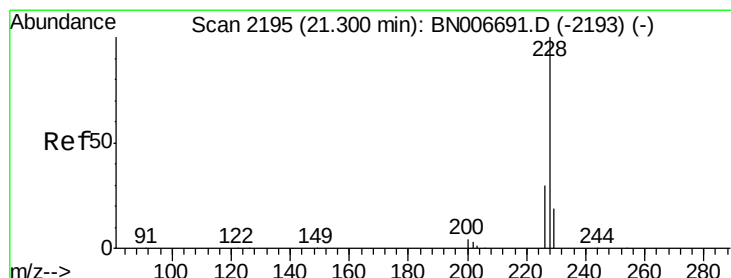
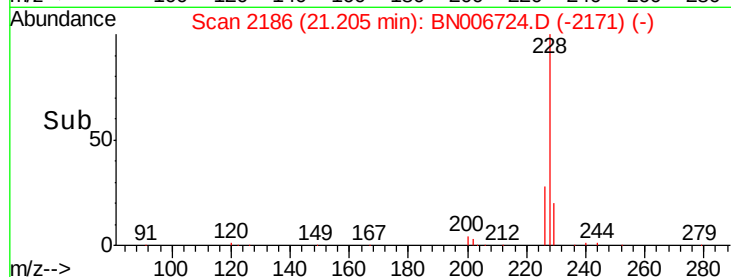
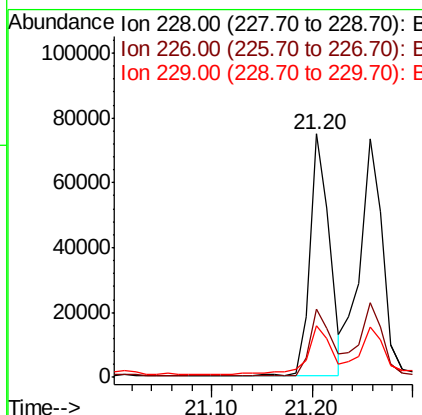
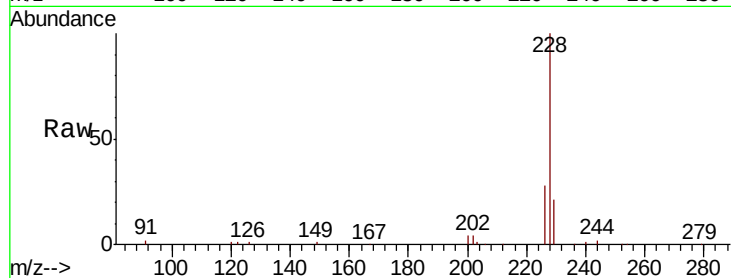
#30
Benzo(a)anthracene
Concen: 1.829 ng
RT: 21.20 min Scan# 2186
Delta R.T. -0.04 min
Lab File: BN006724.D
Acq: 05 Jul 2019 20:00

Instrument :
BNA_N
ClientSampleId :
PST-016-B236-062619

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.5	32.3
229	21.0	16.2	24.4

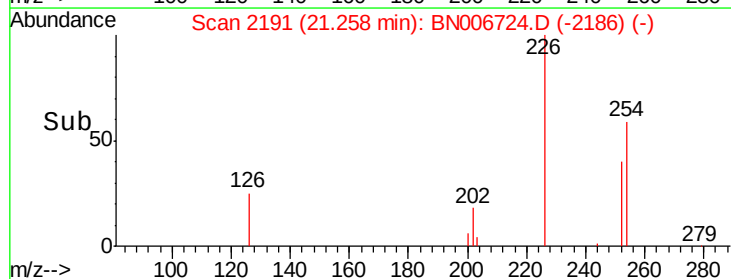
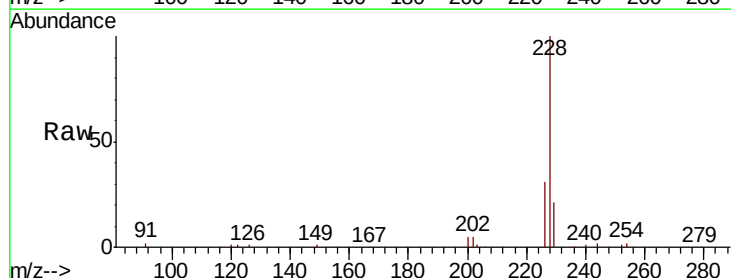
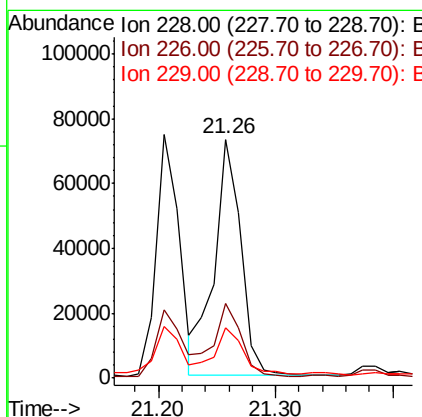
Manual Integrations
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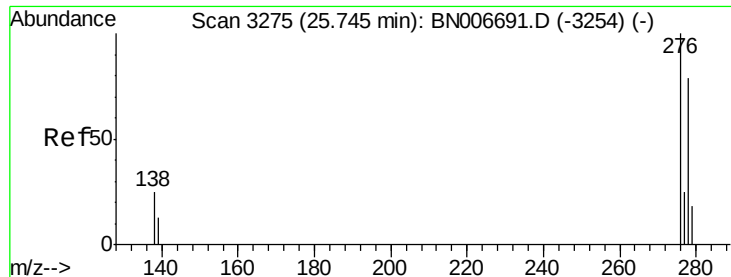
mohammad
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#31
Chrysene
Concen: 2.020 ng
RT: 21.26 min Scan# 2191
Delta R.T. -0.04 min
Lab File: BN006724.D
Acq: 05 Jul 2019 20:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.2	36.2
229	20.9	15.8	23.6





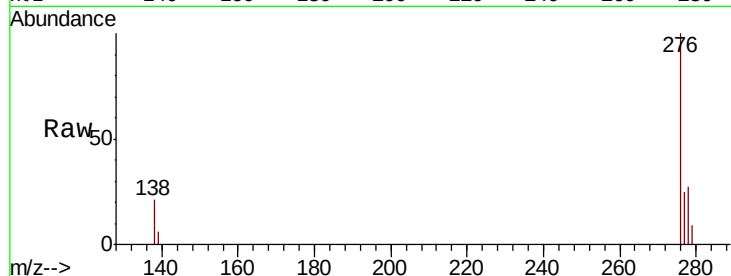
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.649 ng
RT: 25.67 min Scan# 3252
Delta R.T. -0.08 min
Lab File: BN006724.D
Acq: 05 Jul 2019 20:00

Instrument :
BNA_N
ClientSampleId :
PST-016-B236-062619

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.9	19.5	29.3
277	23.8	19.7	29.5

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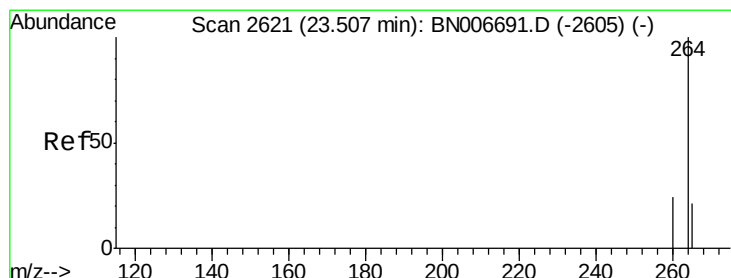
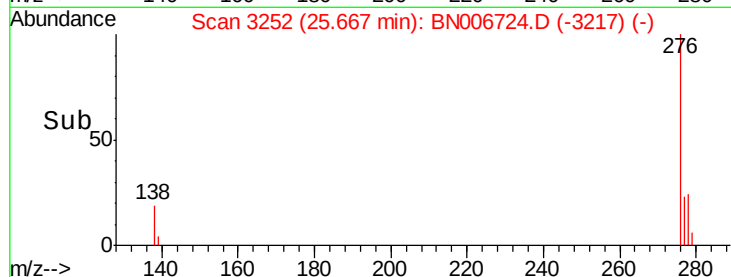
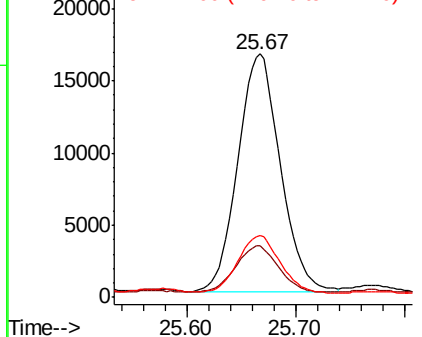


Abundance

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
Perylene-d12
Concen: 0.400 ng
RT: 23.45 min Scan# 2603
Delta R.T. -0.06 min
Lab File: BN006724.D
Acq: 05 Jul 2019 20:00

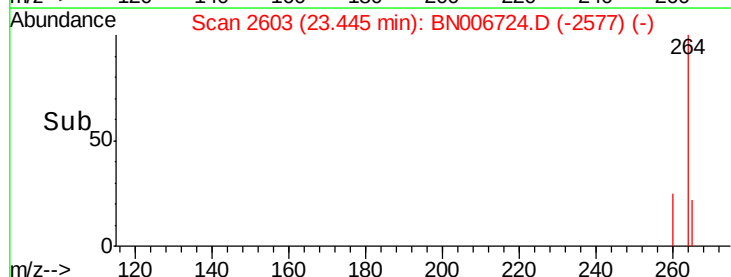
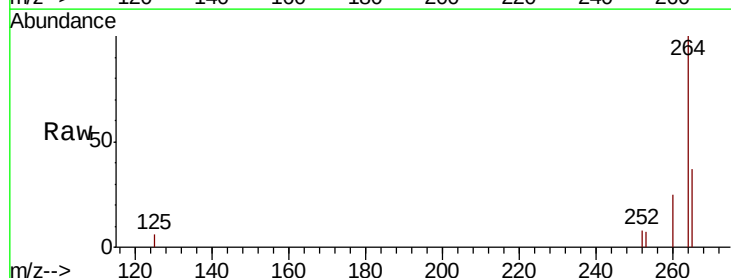
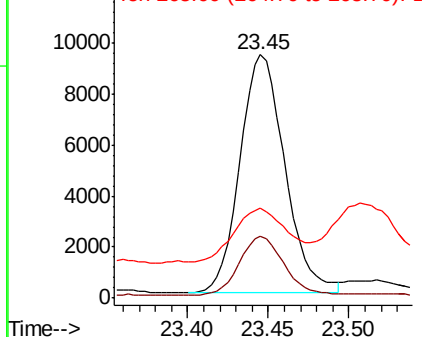
Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.3	20.2	30.2
265	36.8	33.7	50.5

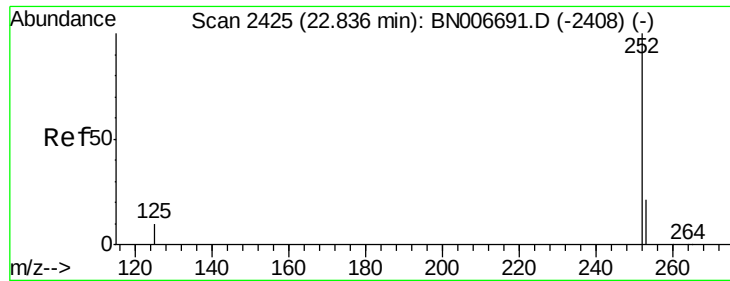
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





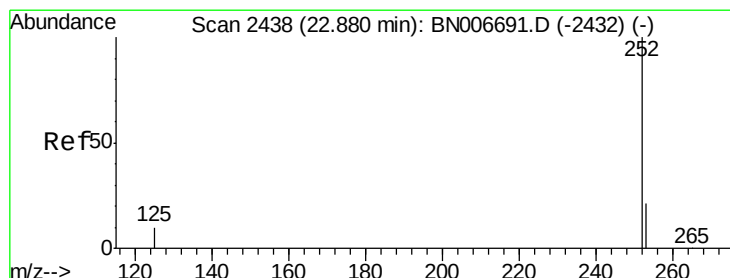
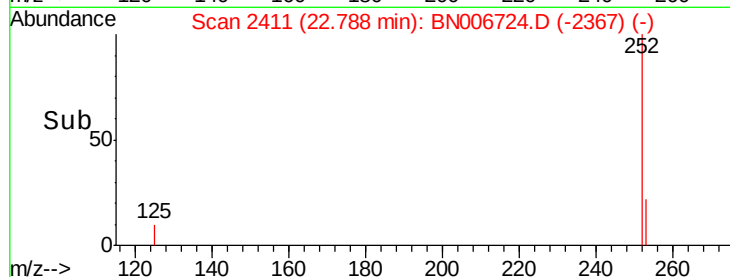
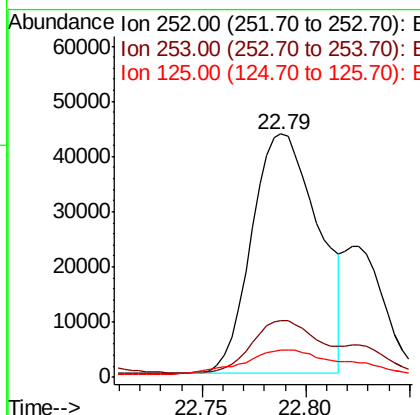
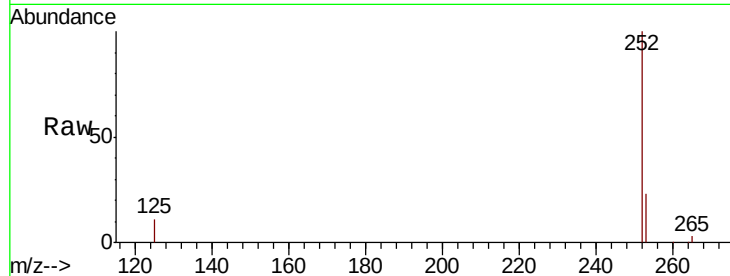
#35
Benzo(b)fluoranthene
Concen: 1.680 ng
RT: 22.79 min Scan# 2411
Delta R.T. -0.05 min
Lab File: BN006724.D
Acq: 05 Jul 2019 20:00

Instrument :
BNA_N
ClientSampleId :
PST-016-B236-062619

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	20.2	30.2
125	11.1	11.5	17.3

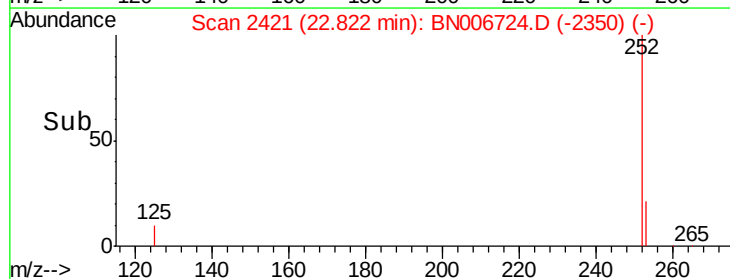
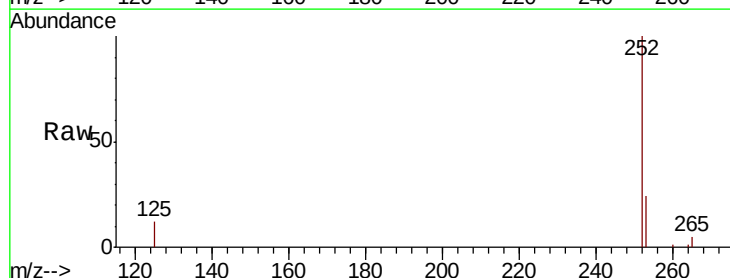
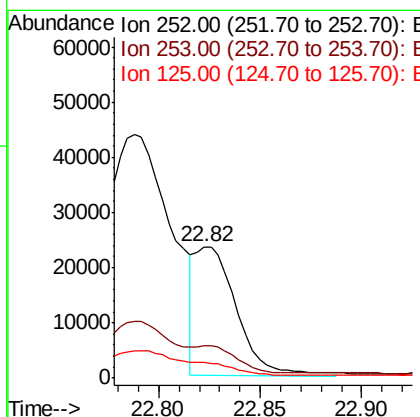
Manual Integrations
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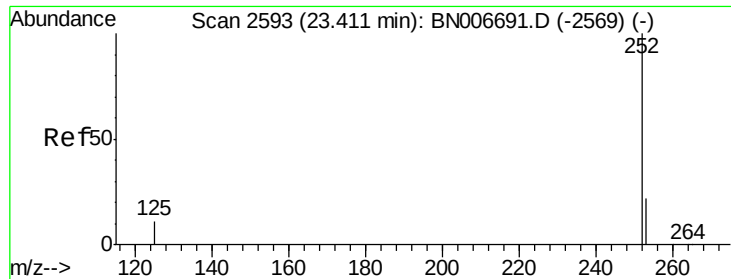
mohammad
7/10/2019 8:26:54 AM



#36
Benzo(k)fluoranthene
Concen: 0.522 ng m
RT: 22.82 min Scan# 2421
Delta R.T. -0.06 min
Lab File: BN006724.D
Acq: 05 Jul 2019 20:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	20.1	30.1
125	11.6	11.4	17.0





#37

Benzo(a)pyrene

Concen: 1.428 ng/mL

RT: 23.35 min Scan# 2575

Delta R.T. -0.06 min

Lab File: BN006724.D

Acq: 05 Jul 2019 20:00

Instrument :

BNA_N

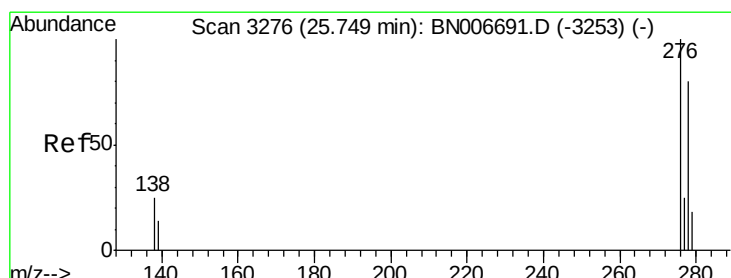
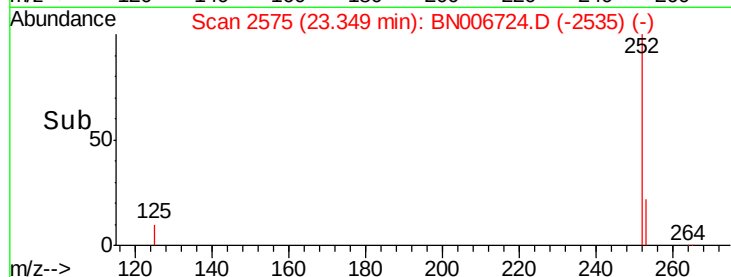
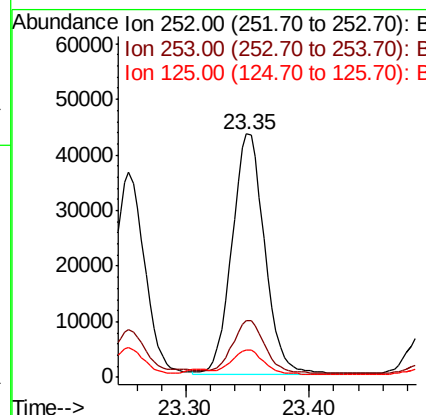
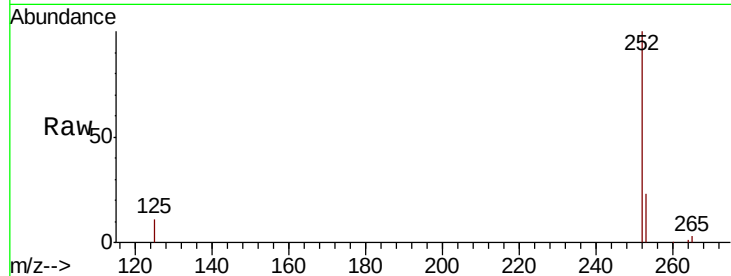
ClientSampleId :

PST-016-B236-062619

Tot Ion:	252	Resp:	80311
Ion Ratio	Lower	Upper	
252	100		
253	23.4	21.4	32.2
125	11.1	13.3	19.9

Manual Integrations
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#38

Dibenzo(a,h)anthracene

Concen: 0.265 ng/mL

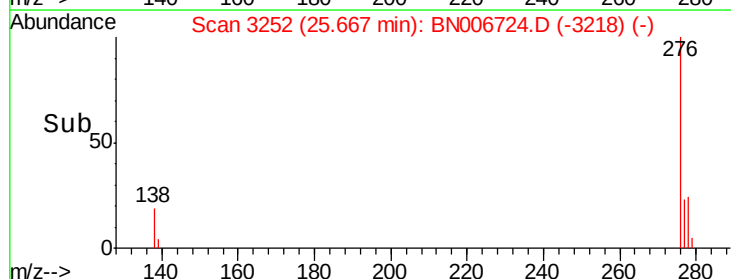
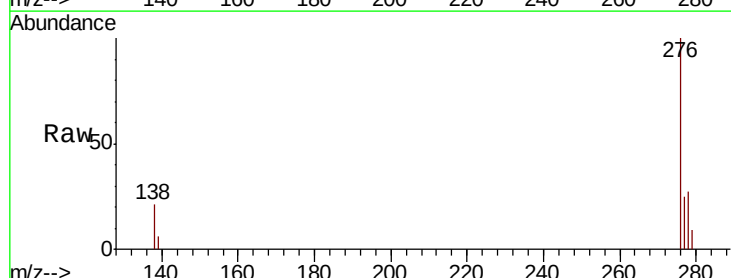
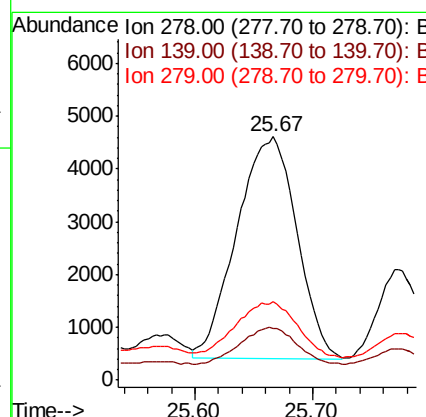
RT: 25.67 min Scan# 3252

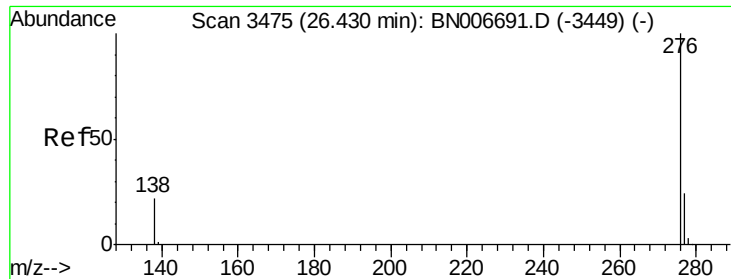
Delta R.T. -0.08 min

Lab File: BN006724.D

Acq: 05 Jul 2019 20:00

Tgt Ion:	278	Resp:	14824
Ion Ratio	Lower	Upper	
278	100		
139	21.2	16.2	24.4
279	32.3	20.7	31.1





#39

Benzo(a,h,i)perylene

Concen: 0.887 ng

RT: 26.34 min Scan# 3450

Delta R.T. -0.09 min

Lab File: BN006724.D

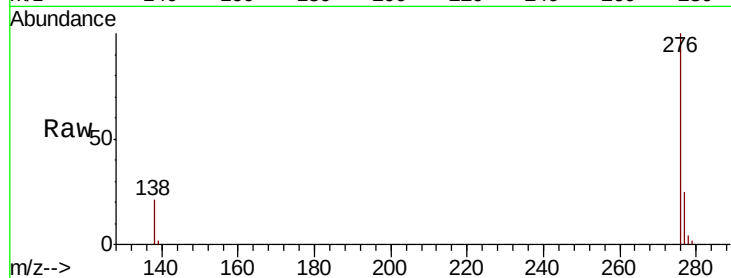
Acq: 05 Jul 2019 20:00

Instrument :

BNA_N

ClientSampleId :

PST-016-B236-062619



Tot Ion:	276	Resp:	51029
Ion Ratio	Lower	Upper	
276	100		
277	24.6	20.6	30.8
138	21.2	19.7	29.5

Manual Integrations
APPROVED

mohammad
7/10/2019 8:26:54 AM

