

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100319\
 Data File : BN007994.D
 Acq On : 03 Oct 2019 23:23
 Operator : JU
 Sample : K5077-17
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B267-092519

Manual Integrations
 APPROVED

mohammad
 10/7/2019 8:27:45 AM

Quant Time: Oct 04 08:46:28 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	4833	0.40	ng	-0.02
7) Naphthalene-d8	10.46	136	20265	0.40	ng	-0.01
13) Acenaphthene-d10	14.31	164	12965	0.40	ng	-0.01
19) Phenanthrene-d10	17.05	188	27997	0.40	ng	-0.02
27) Chrysene-d12	21.25	240	29825	0.40	ng	-0.02
34) Perylene-d12	23.46	264	32768	0.40	ng	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.30	112	5317	0.32	ng	-0.02
5) Phenol-d6	6.87	99	7610	0.37	ng	0.00
8) Nitrobenzene-d5	8.82	82	5665	0.32	ng	-0.01
11) 2-Methylnaphthalene-d10	12.05	152	11969	0.35	ng	-0.02
14) 2,4,6-Tribromophenol	15.81	330	2470	0.35	ng	-0.01
15) 2-Fluorobiphenyl	12.93	172	16491	0.31	ng	-0.01
25) Fluoranthene-d10	19.09	212	33844	0.36	ng	-0.02
29) Terphenyl-d14	19.69	244	26191	0.36	ng	-0.02
Target Compounds						Qvalue
9) Naphthalene	10.49	128	10064	0.177	ng	96
12) 2-Methylnaphthalene	12.12	142	7397	0.192	ng	98
16) Acenaphthylene	14.02	152	42743	0.622	ng	100
17) Acenaphthene	14.37	154	4410	0.099	ng	92
18) Fluorene	15.36	166	15857	0.279	ng	# 89
22) Pentachlorophenol	16.72	266	619	0.090	ng	96
23) Phenanthrene	17.09	178	376279	4.314	ng	100
24) Anthracene	17.19	178	28636	0.364	ng	98
26) Fluoranthene	19.12	202	448347	4.134	ng	99
28) Pylene	19.49	202	409047	4.021	ng	98
30) Benzo(a)anthracene	21.24	228	126882m	1.155	ng	
31) Chrysene	21.28	228	215527	2.014	ng	98
32) Bis(2-ethylhexyl)phthalate	21.17	149	25075	0.444	ng	98
33) Indeno(1,2,3-cd)pyrene	25.67	276	110894	0.827	ng	# 95
35) Benzo(b)fluoranthene	22.81	252	234005	2.057	ng	98
36) Benzo(k)fluoranthene	22.84	252	76185m	0.677	ng	
37) Benzo(a)pyrene	23.37	252	145293	1.359	ng	100
38) Dibenzo(a,h)anthracene	25.68	278	26329	0.241	ng	# 84
39) Benzo(g,h,i)perylene	26.34	276	110716	1.023	ng	99

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

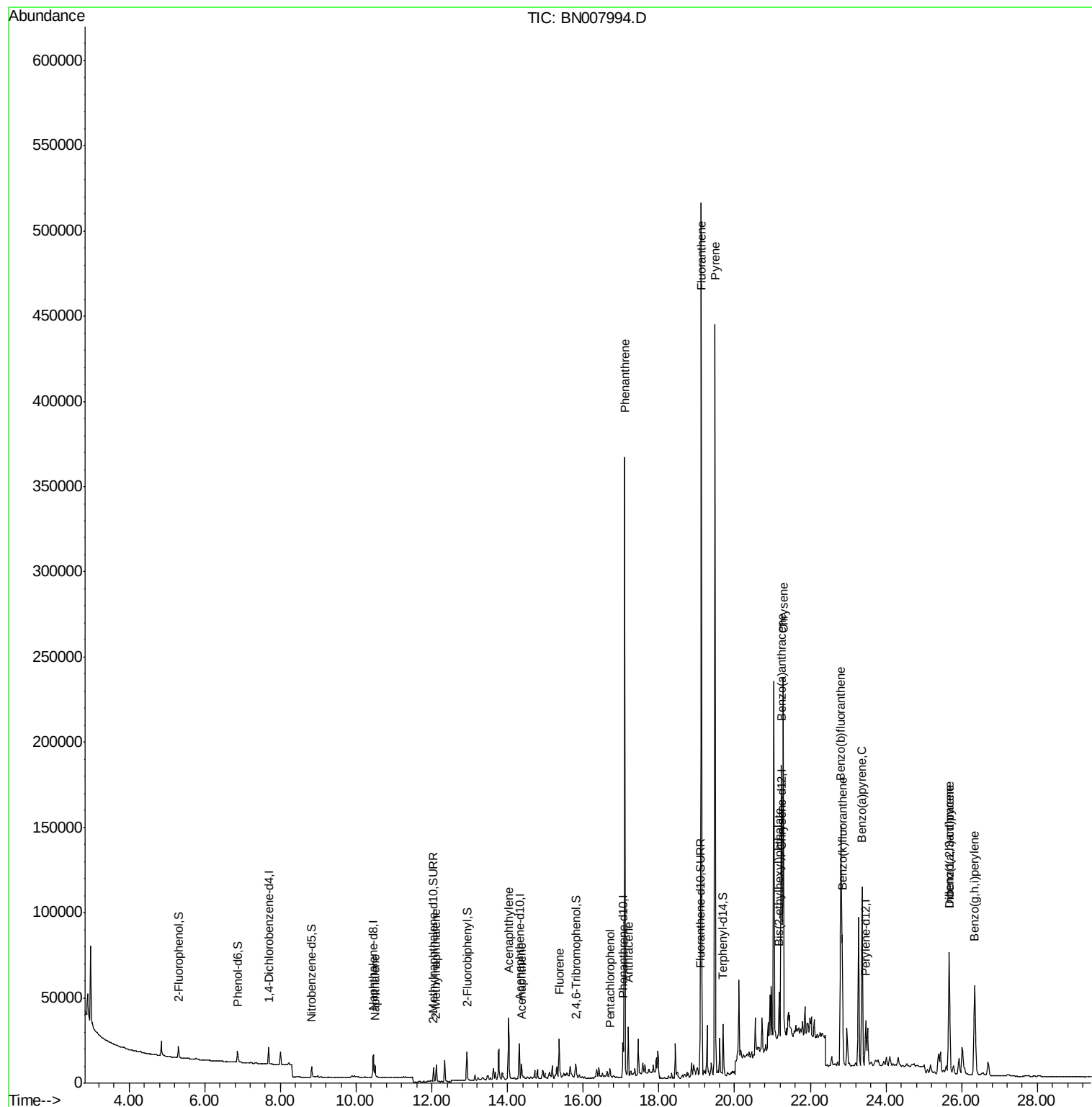
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN100319\
Data File : BN007994.D
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Operator : JU
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Misc :
ALS Vial : 11 Sample Multiplier: 1

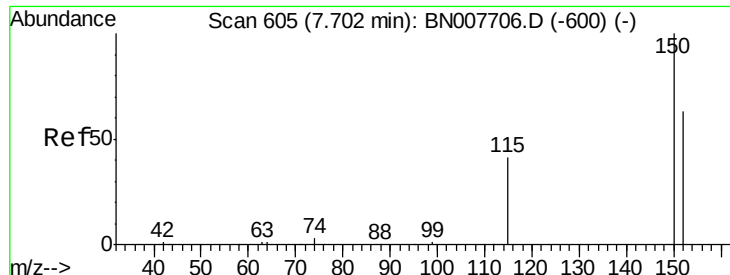
Instrument :
BNA_N
ClientSampleId :
PST-024-B267-092519

Manual Integrations
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10/7/2019 8:27:45 AM

Quant Time: Oct 04 08:46:28 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN091819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

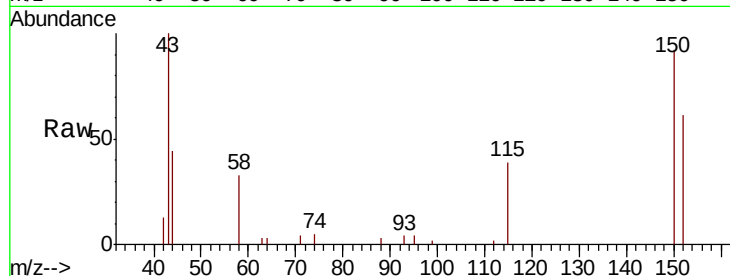
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 603
Delta R.T. -0.02 min
Lab File: BN007994.D
Acq: 03 Oct 2019 23:23

Instrument :
BNA_N
ClientSampleId :
PST-024-B267-092519

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.1	125.6	188.4
115	64.5	53.3	79.9

Manual Integrations
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10/7/2019 8:27:45 AM

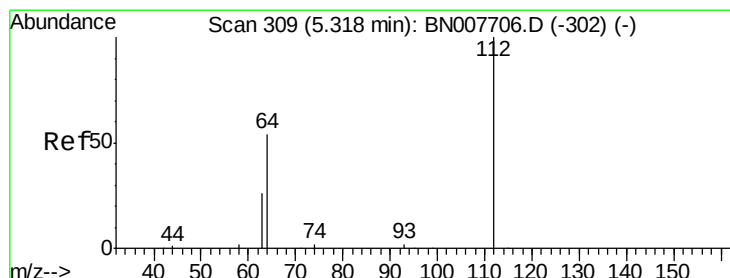
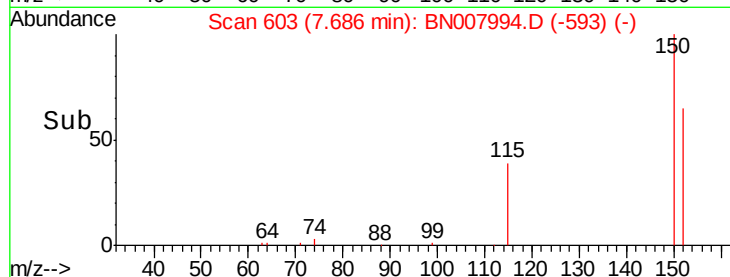
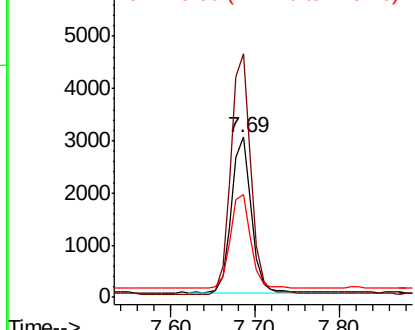


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

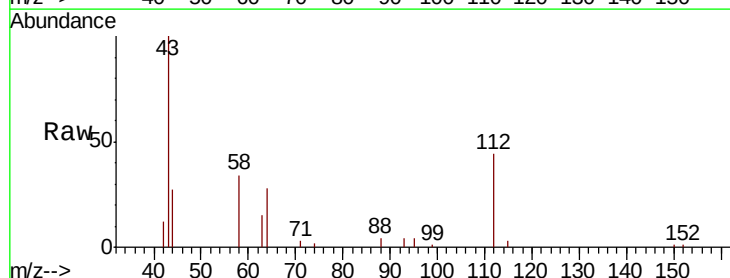
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.320 ng
RT: 5.30 min Scan# 307
Delta R.T. -0.02 min
Lab File: BN007994.D
Acq: 03 Oct 2019 23:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	46.6	70.0
63	28.5	23.1	34.7

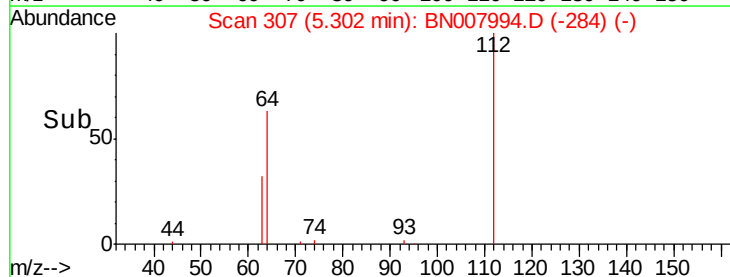
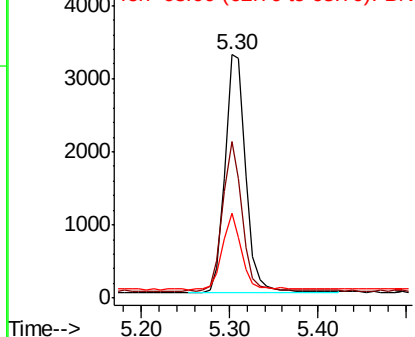


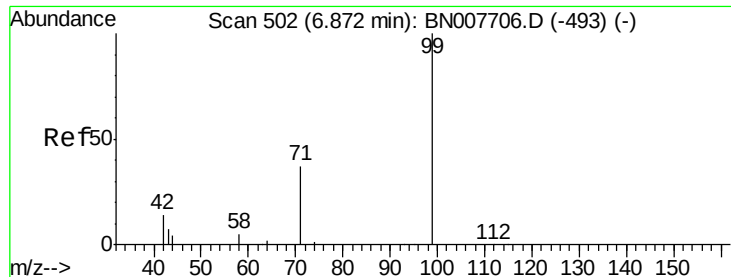
Abundance

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: 0.366 ng

RT: 6.87 min Scan# 502

Delta R.T. 0.00 min

Lab File: BN007994.D

Acq: 03 Oct 2019 23:23

Instrument :

BNA_N

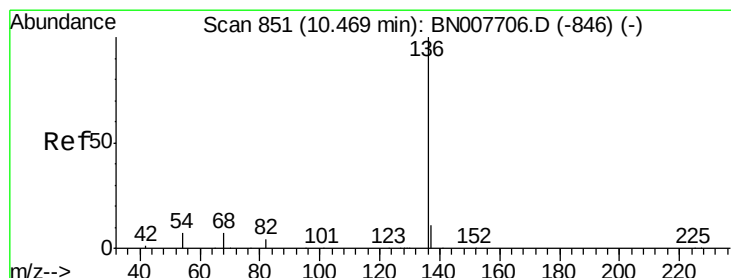
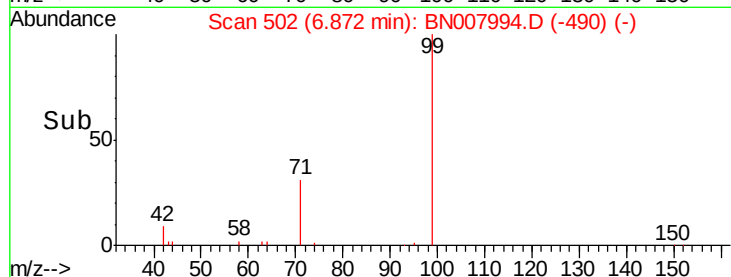
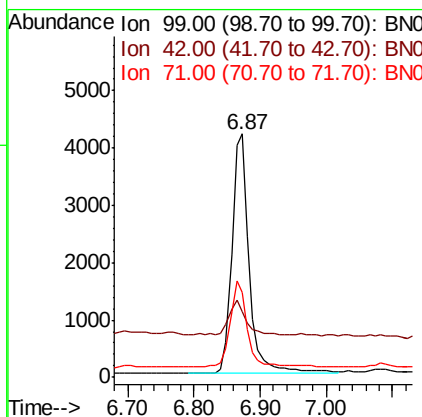
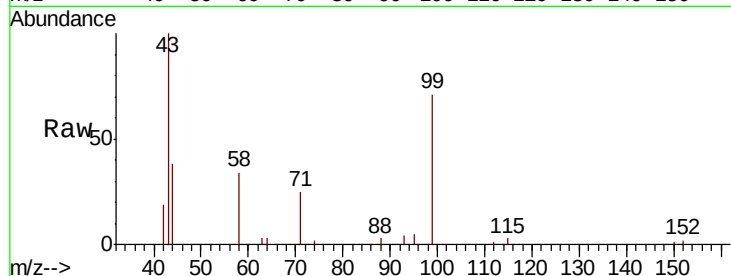
ClientSampleId :

PST-024-B267-092519

Tot Ion:	99	Resp:	7610
Ion	Ratio	Lower	Upper
99	100		
42	14.5	12.8	19.2
71	35.0	27.6	41.4

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#7

Naphthalene-d8

Concen: 0.400 ng

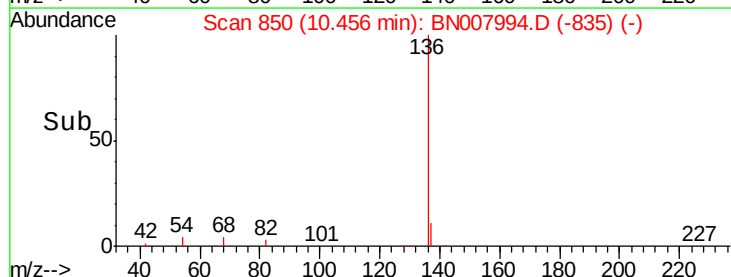
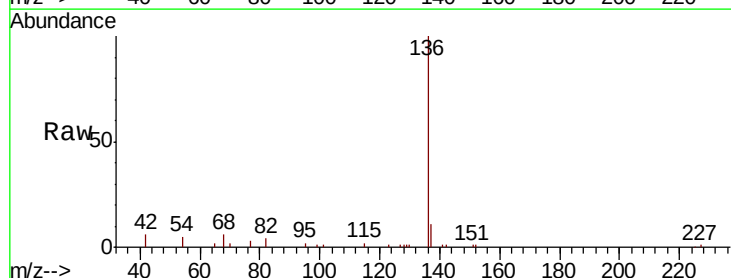
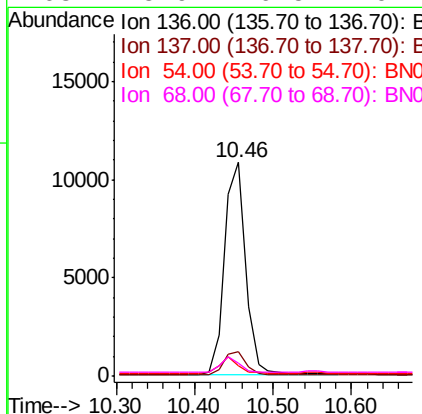
RT: 10.46 min Scan# 850

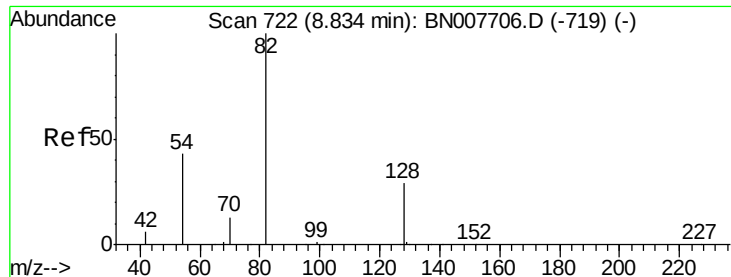
Delta R.T. -0.01 min

Lab File: BN007994.D

Acq: 03 Oct 2019 23:23

Tgt Ion:	136	Resp:	20265
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	5.1	5.8	8.8#
68	5.9	6.5	9.7#





#8

Nitrobenzene-d5

Concen: 0.320 ng

RT: 8.82 min Scan# 721

Delta R.T. -0.01 min

Lab File: BN007994.D

Acq: 03 Oct 2019 23:23

Instrument :

BNA_N

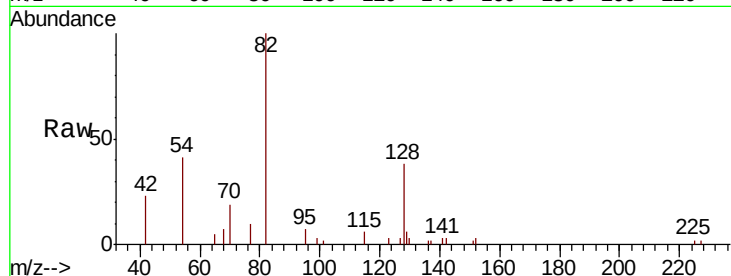
ClientSampleId :

PST-024-B267-092519

Tot Ion:	82	Resp:	5665
Ion Ratio	Lower	Upper	
82	100		
128	38.4	24.5	36.7#
54	41.0	35.2	52.8

Manual Integrations
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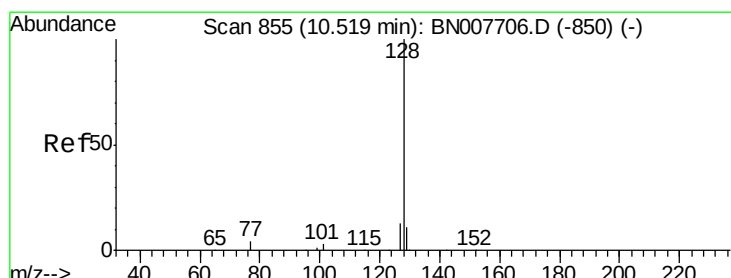
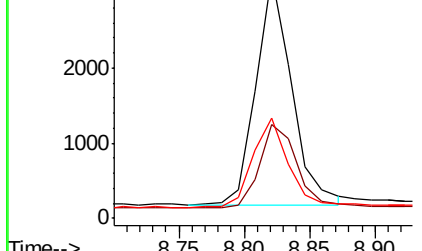
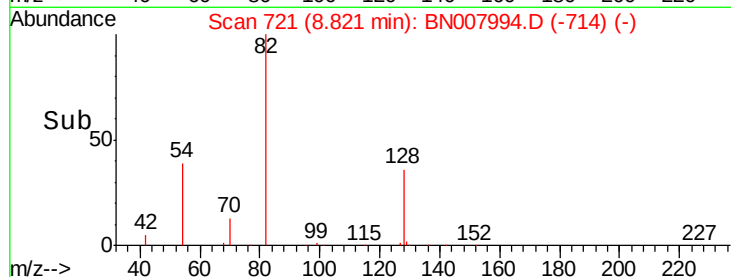


Abundance Ion 82.00 (81.70 to 82.70): BN007706.D (-719) (-)

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

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

Time-->



#9

Naphthalene

Concen: 0.177 ng

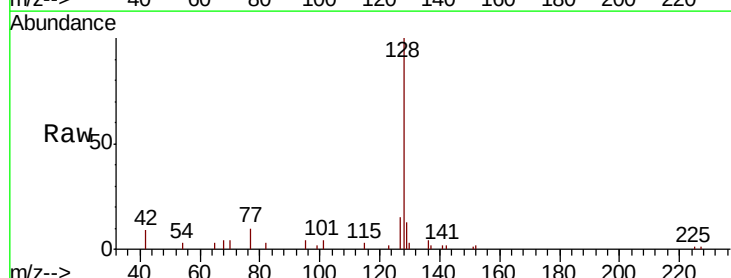
RT: 10.49 min Scan# 853

Delta R.T. -0.03 min

Lab File: BN007994.D

Acq: 03 Oct 2019 23:23

Tgt Ion:	128	Resp:	10064
Ion Ratio	Lower	Upper	
128	100		
129	12.8	9.1	13.7
127	14.7	10.6	15.8

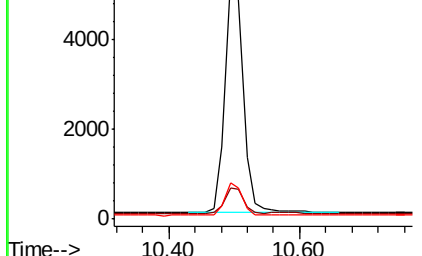
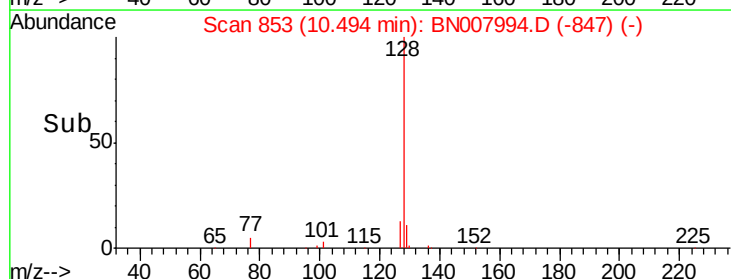


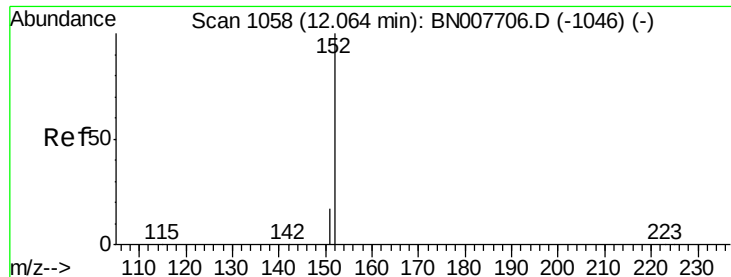
Abundance Ion 128.00 (127.70 to 128.70): BN007706.D (-850) (-)

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

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

Time-->





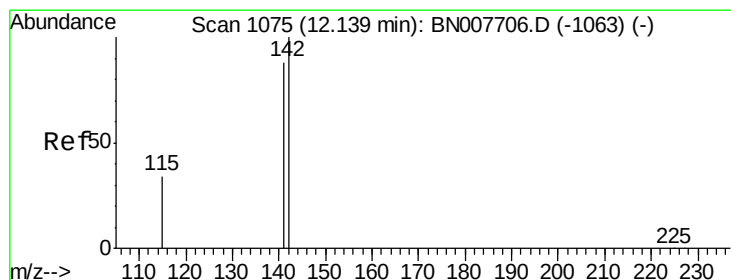
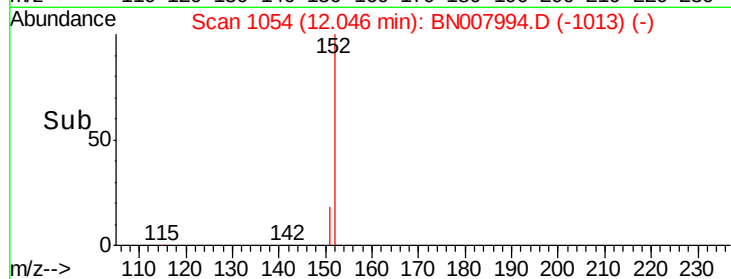
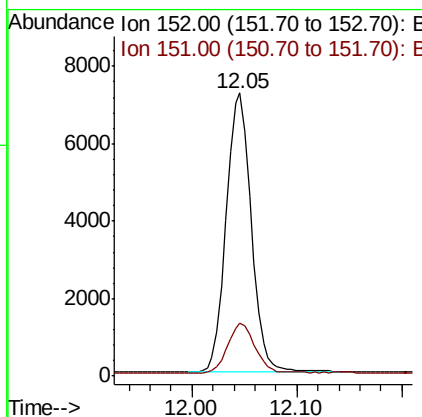
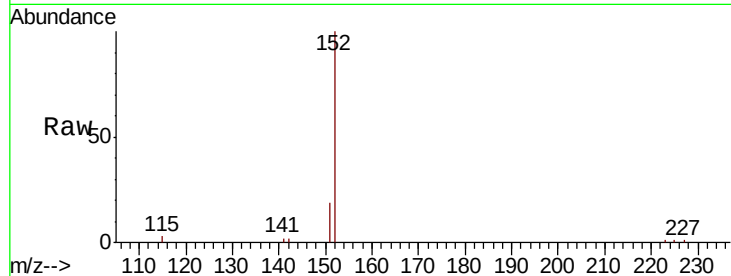
#11
2-Methylnaphthalene-d10
Concen: 0.351 ng
RT: 12.05 min Scan# 1054
Delta R.T. -0.02 min
Lab File: BN007994.D
Acq: 03 Oct 2019 23:23

Instrument :
BNA_N
ClientSampleId :
PST-024-B267-092519

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.2

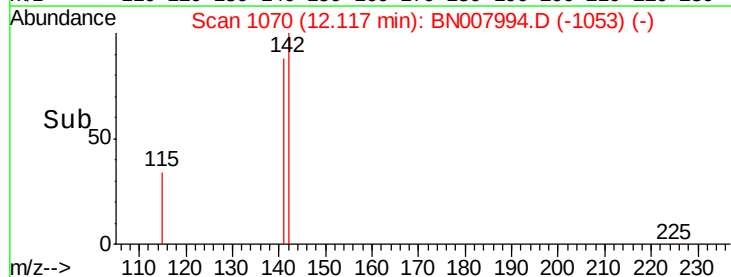
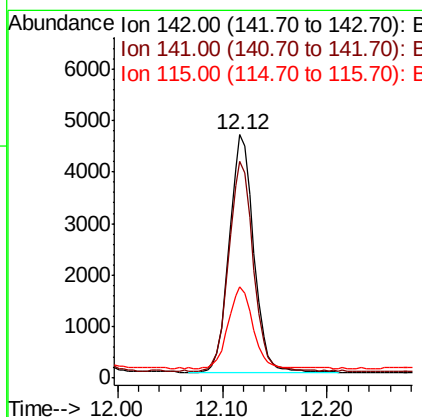
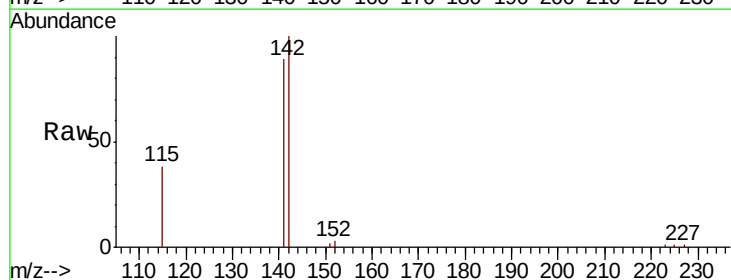
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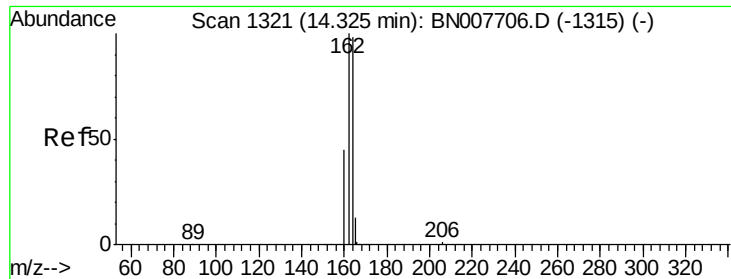
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#12
2-Methylnaphthalene
Concen: 0.192 ng
RT: 12.12 min Scan# 1070
Delta R.T. -0.02 min
Lab File: BN007994.D
Acq: 03 Oct 2019 23:23

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.6	106.0
115	37.6	28.3	42.5





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.31 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BN007994.D

Acq: 03 Oct 2019 23:23

Instrument :

BNA_N

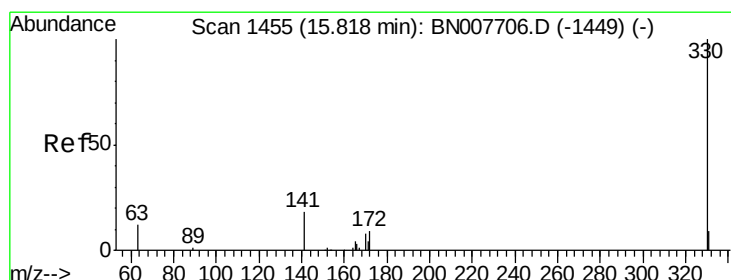
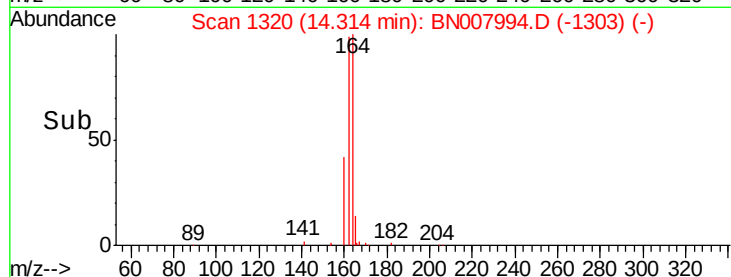
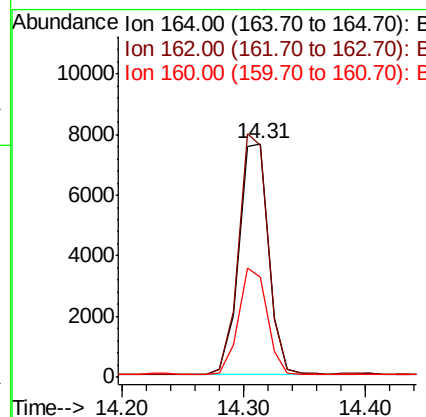
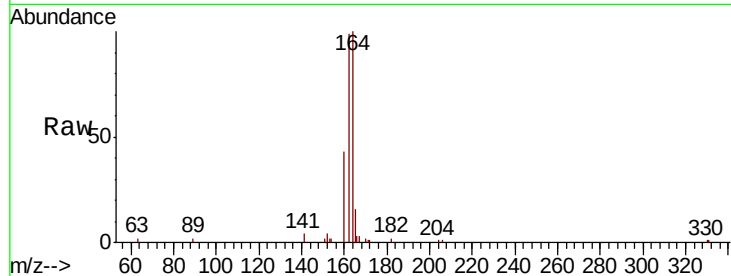
ClientSampleId :

PST-024-B267-092519

Tot Ion:	164	Resp:	12965
Ion Ratio	Lower	Upper	
164	100		
162	99.2	81.7	122.5
160	42.8	37.0	55.4

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#14

2,4,6-Tribromophenol

Concen: 0.350 ng

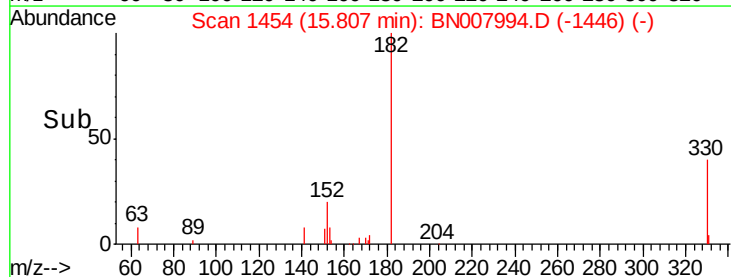
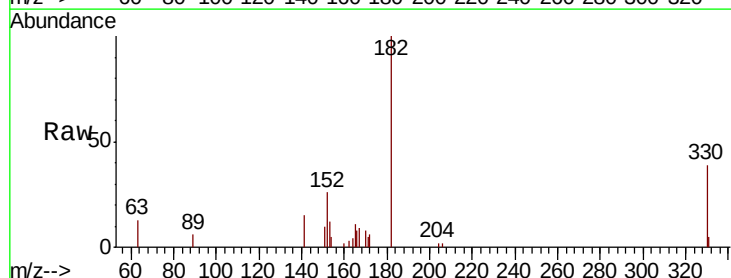
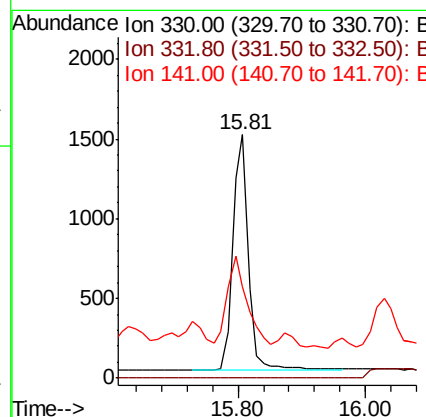
RT: 15.81 min Scan# 1454

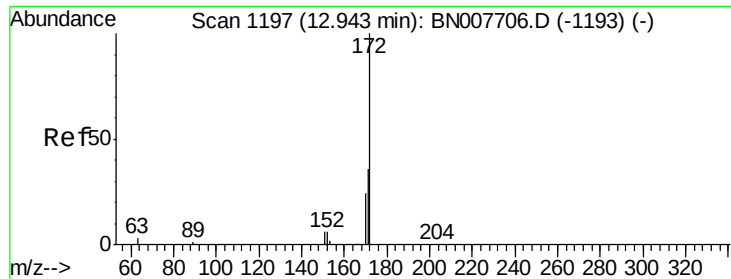
Delta R.T. -0.01 min

Lab File: BN007994.D

Acq: 03 Oct 2019 23:23

Tgt Ion:	330	Resp:	2470
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	47.0	28.7	43.1#





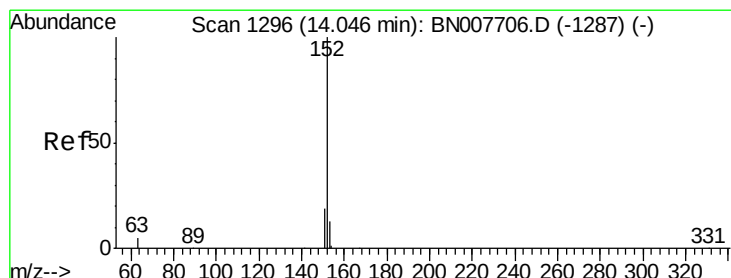
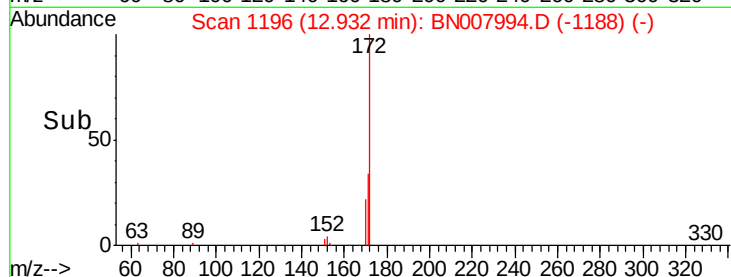
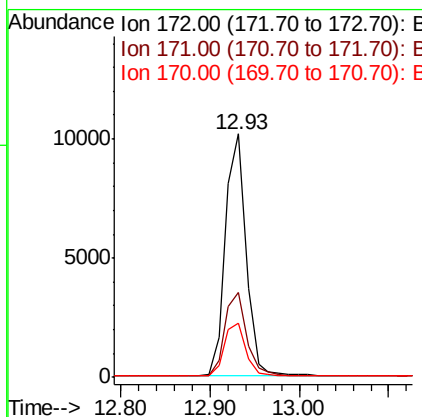
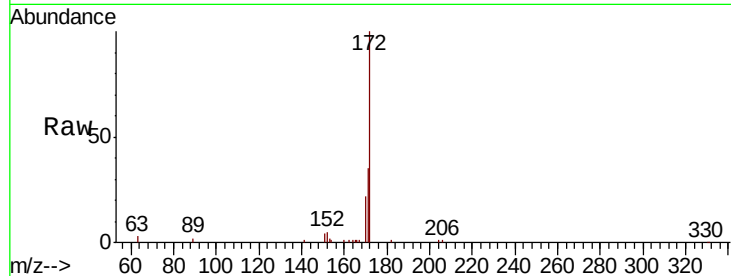
#15
2-Fluorobiphenyl
Concen: 0.309 ng
RT: 12.93 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BN007994.D
Acq: 03 Oct 2019 23:23

Instrument :
BNA_N
ClientSampleId :
PST-024-B267-092519

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.8	43.2
170	22.2	19.5	29.3

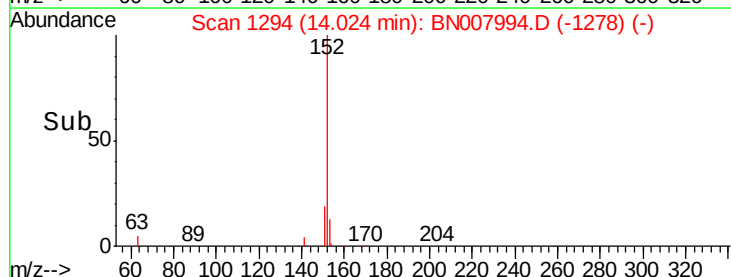
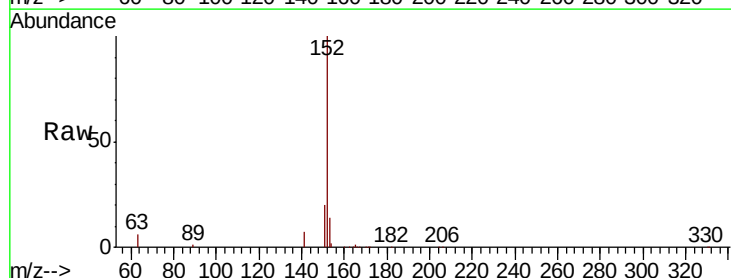
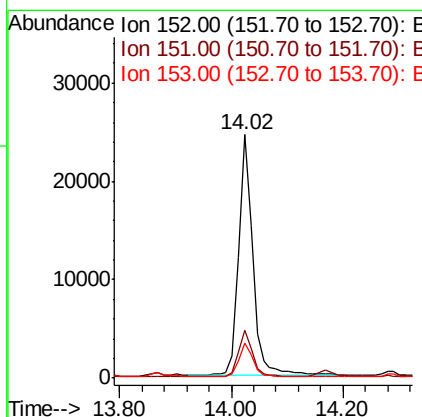
Manual Integrations
APPROVED

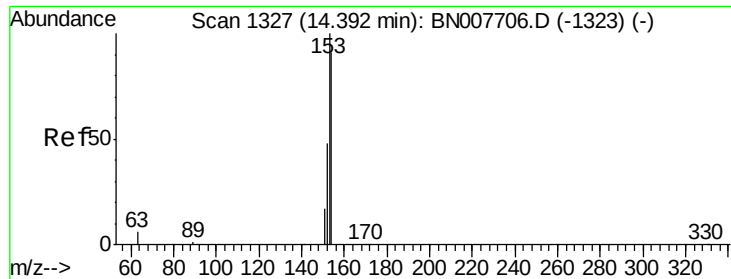
mohammad
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#16
Acenaphthylene
Concen: 0.622 ng
RT: 14.02 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BN007994.D
Acq: 03 Oct 2019 23:23

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.5	23.3
153	13.3	10.4	15.6





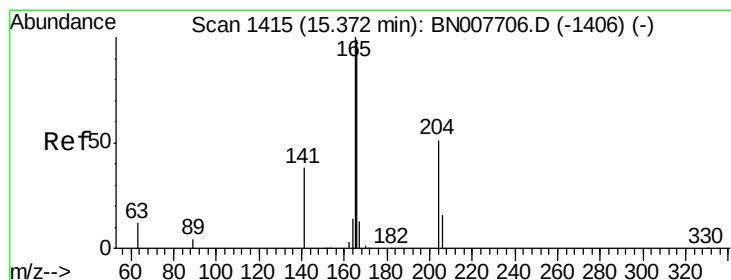
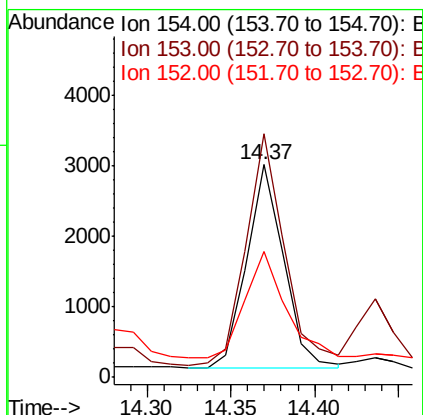
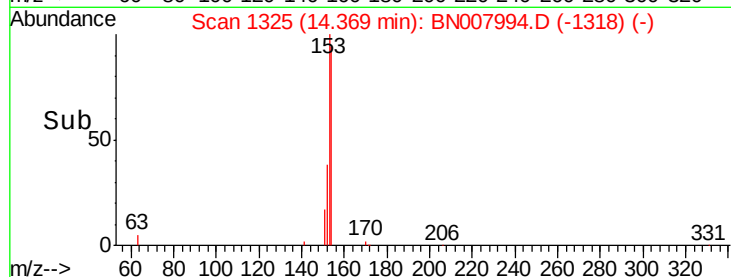
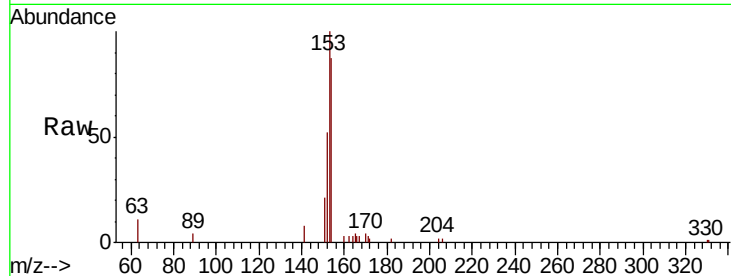
#17
Acenaphthene
Concen: 0.099 ng
RT: 14.37 min Scan# 1325
Delta R.T. -0.02 min
Lab File: BN007994.D
Acq: 03 Oct 2019 23:23

Instrument :
BNA_N
ClientSampleId :
PST-024-B267-092519

Tot Ion	Ratio	Lower	Upper
154	100		
153	118.7	87.0	130.4
152	57.1	42.7	64.1

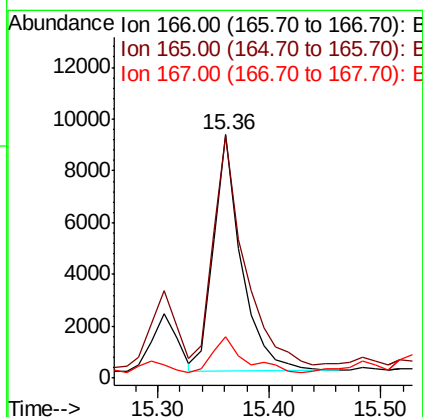
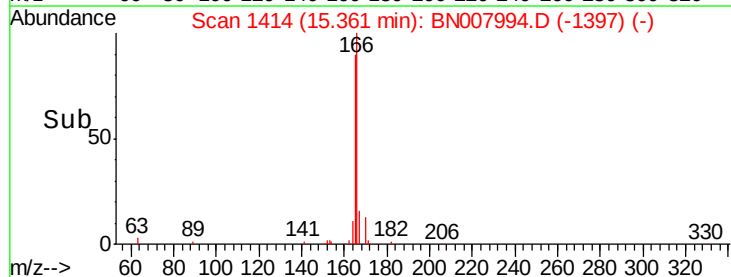
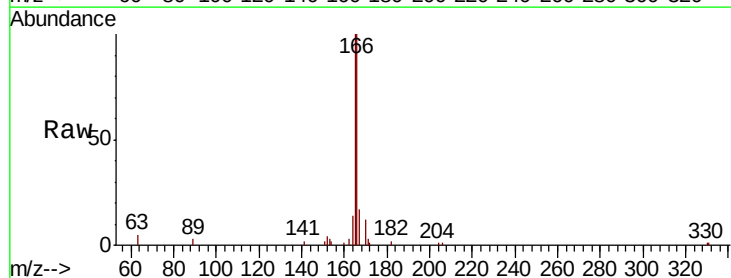
Manual Integrations
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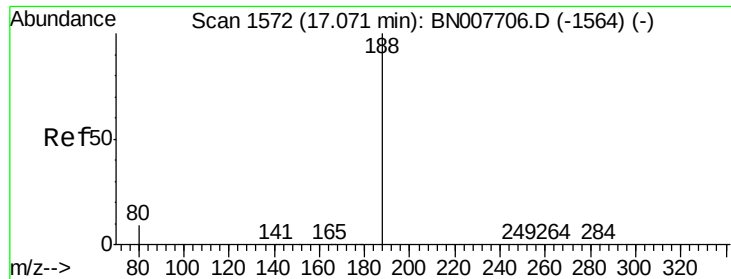
mohammad
10/7/2019 8:27:45 AM



#18
Fluorene
Concen: 0.279 ng
RT: 15.36 min Scan# 1414
Delta R.T. -0.01 min
Lab File: BN007994.D
Acq: 03 Oct 2019 23:23

Tgt Ion	Ratio	Lower	Upper
166	100		
165	108.8	78.0	117.0
167	17.2	10.9	16.3#





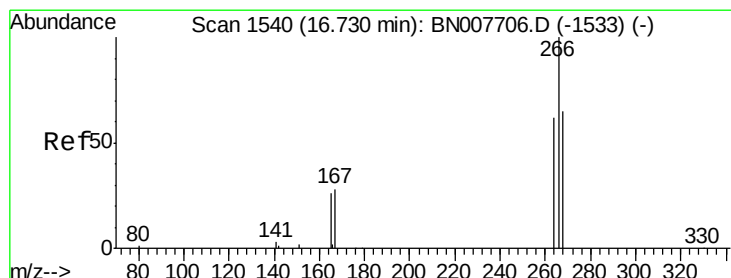
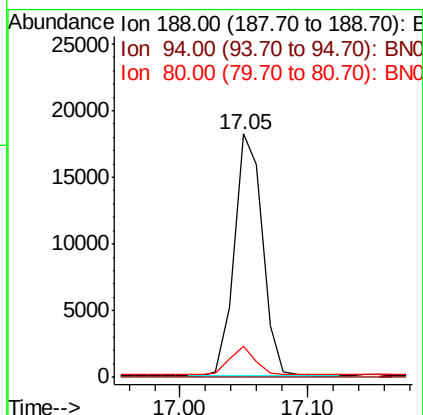
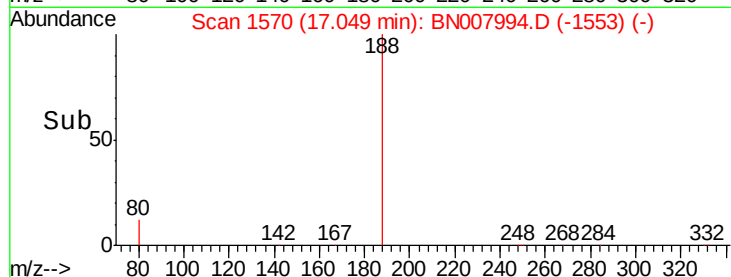
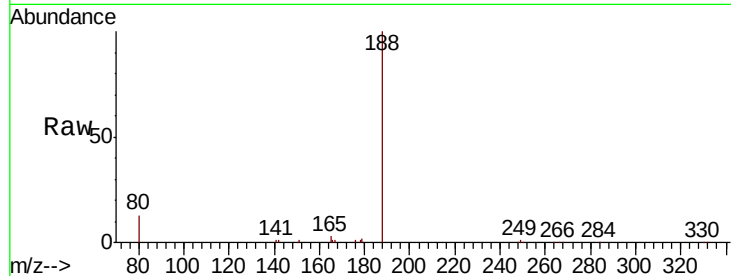
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.05 min Scan# 1570
Delta R.T. -0.02 min
Lab File: BN007994.D
Acq: 03 Oct 2019 23:23

Instrument :
BNA_N
ClientSampleId :
PST-024-B267-092519

Tot Ion	Ratio	Resp	Lower	Upper
188	100	27997		
94	0.0	0.0	0.0	
80	12.9	7.4	11.2	

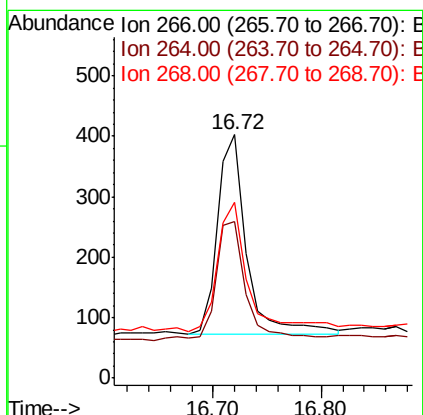
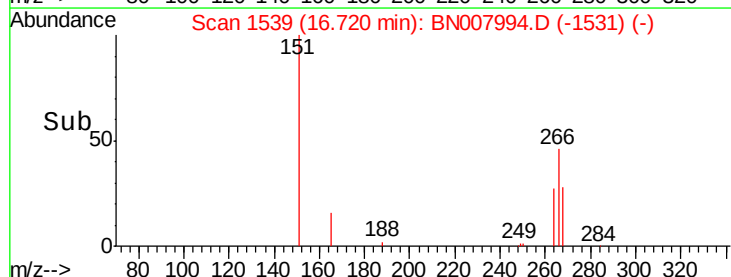
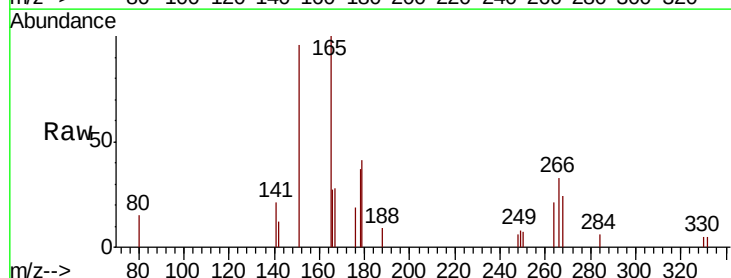
Manual Integrations
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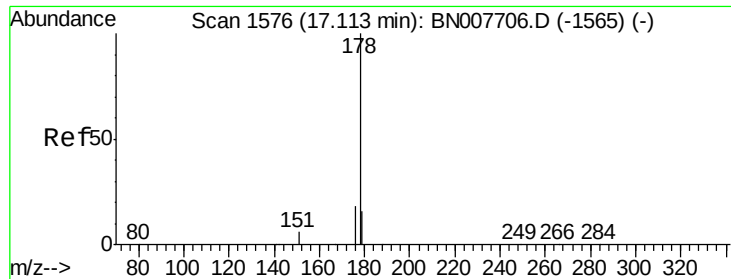
mohammad
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#22
Pentachlorophenol
Concen: 0.090 ng
RT: 16.72 min Scan# 1539
Delta R.T. -0.01 min
Lab File: BN007994.D
Acq: 03 Oct 2019 23:23

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	619		
264	64.3	50.0	75.0	
268	72.0	54.2	81.4	





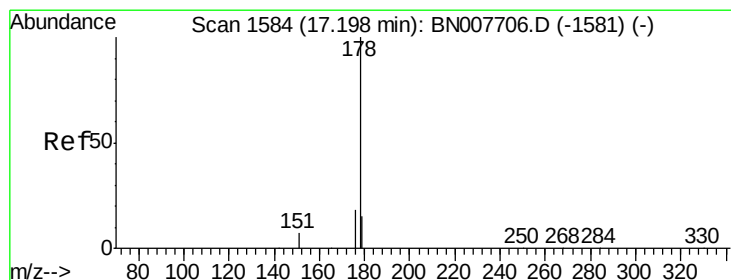
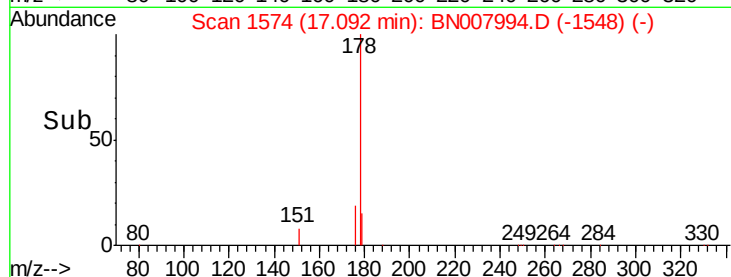
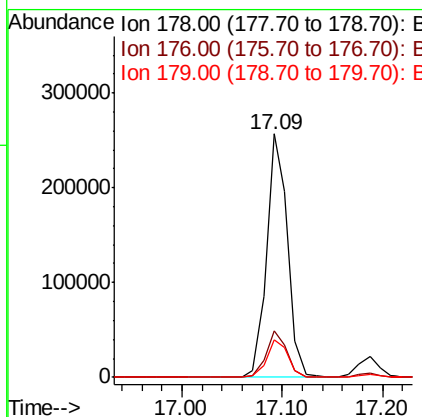
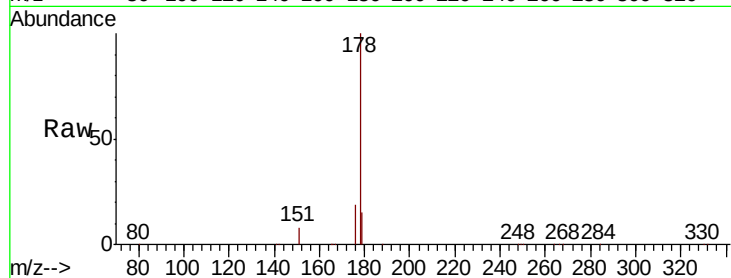
#23
Phenanthrene
Concen: 4.314 ng
RT: 17.09 min Scan# 1574
Delta R.T. -0.02 min
Lab File: BN007994.D
Acq: 03 Oct 2019 23:23

Instrument :
BNA_N
ClientSampleId :
PST-024-B267-092519

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.5	12.5	18.7

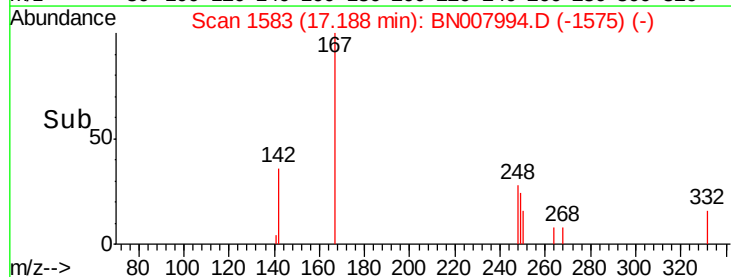
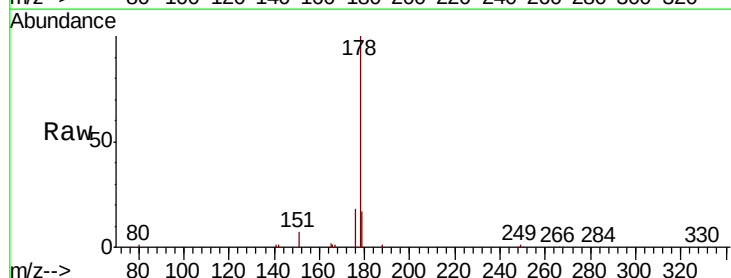
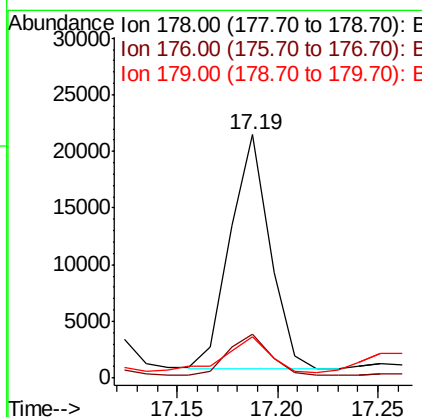
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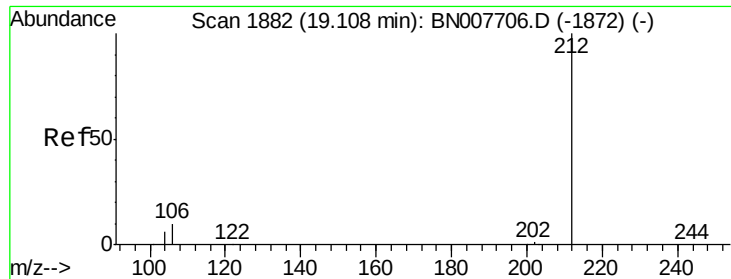
mohammad
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#24
Anthracene
Concen: 0.364 ng
RT: 17.19 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BN007994.D
Acq: 03 Oct 2019 23:23

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.6	21.8
179	16.9	12.2	18.4





#25

Fluoranthene-d10

Concen: 0.359 ng

RT: 19.09 min Scan# 1878

Delta R.T. -0.02 min

Lab File: BN007994.D

Acq: 03 Oct 2019 23:23

Instrument :

BNA_N

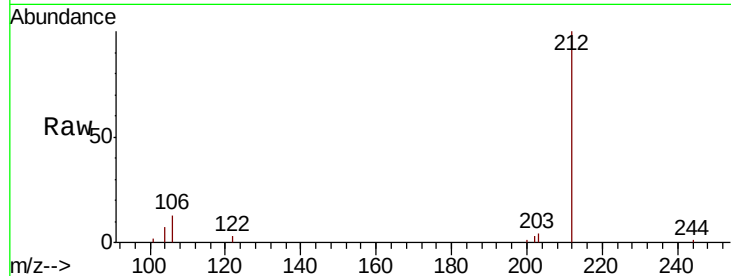
ClientSampleId :

PST-024-B267-092519

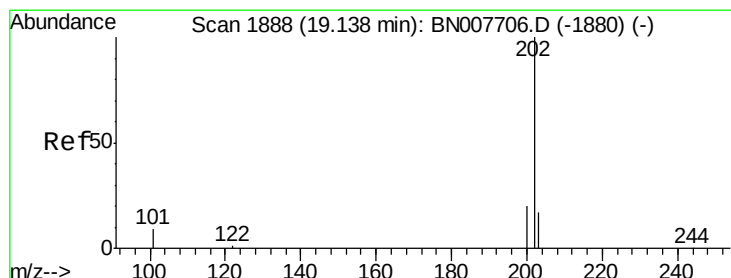
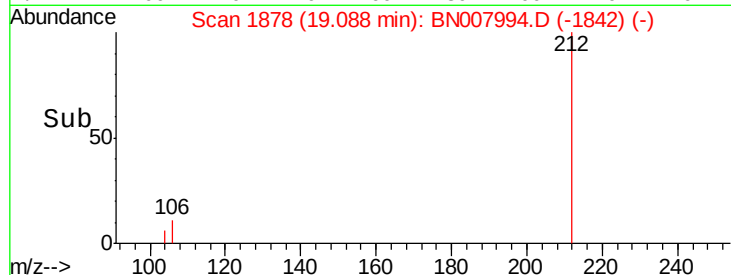
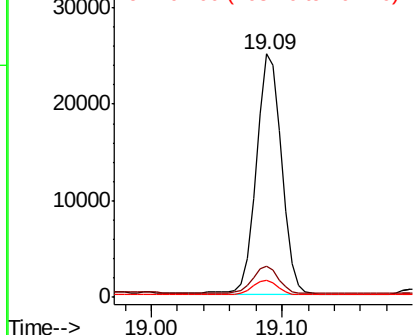
Tot Ion:	212	Resp:	33844
Ion Ratio	Lower	Upper	
212	100		
106	11.6	9.4	14.0
104	6.6	5.3	7.9

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Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 4.134 ng

RT: 19.12 min Scan# 1884

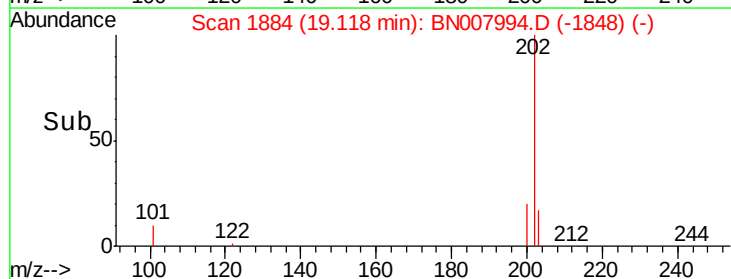
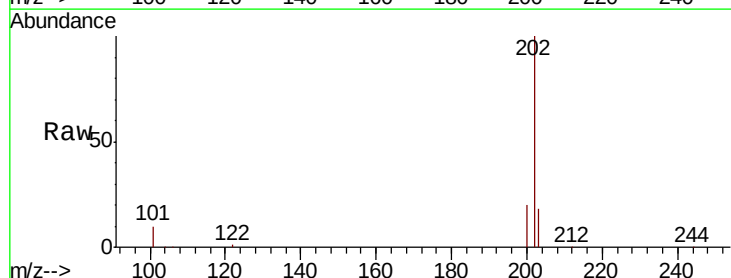
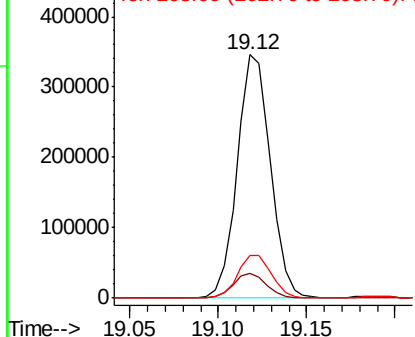
Delta R.T. -0.02 min

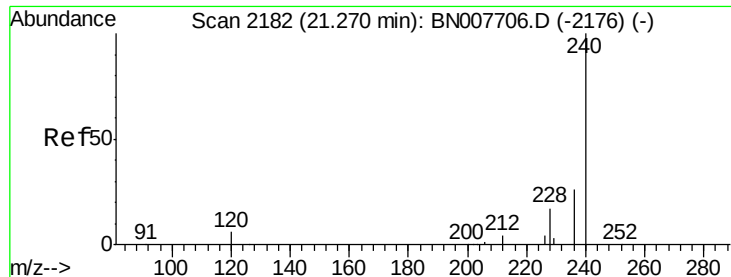
Lab File: BN007994.D

Acq: 03 Oct 2019 23:23

Tgt Ion:	202	Resp:	448347
Ion Ratio	Lower	Upper	
202	100		
101	10.1	8.4	12.6
203	17.5	13.8	20.8

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





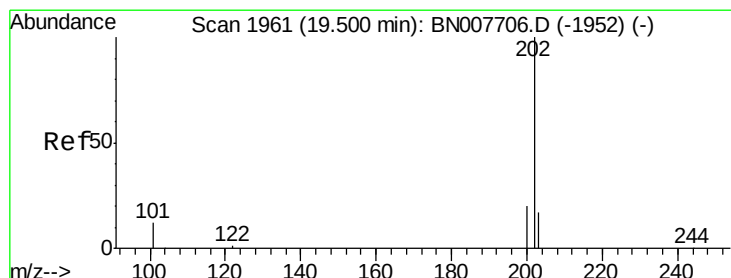
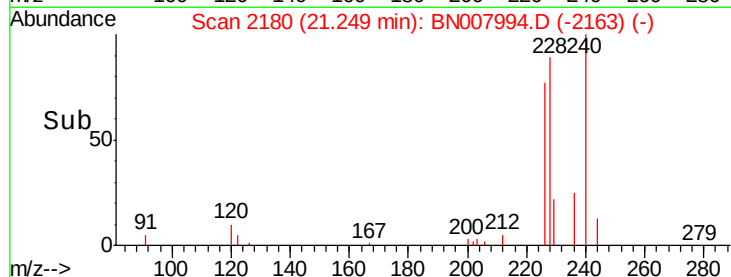
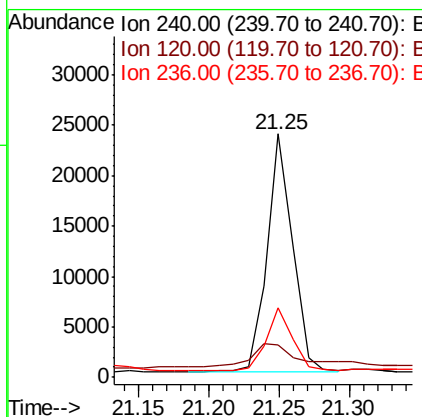
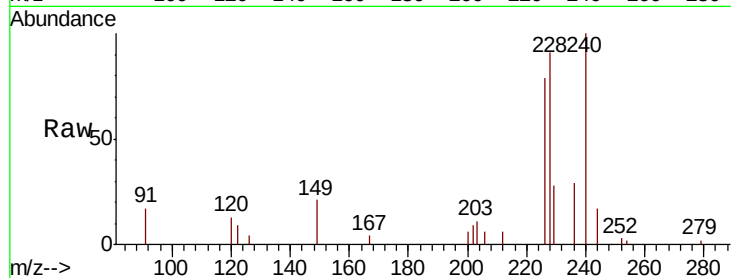
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.25 min Scan# 2180
Delta R.T. -0.02 min
Lab File: BN007994.D
Acq: 03 Oct 2019 23:23

Instrument :
BNA_N
ClientSampleId :
PST-024-B267-092519

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.4	5.4	8.2#
236	28.5	21.0	31.4

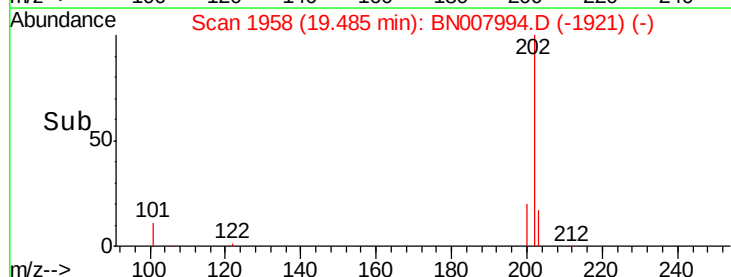
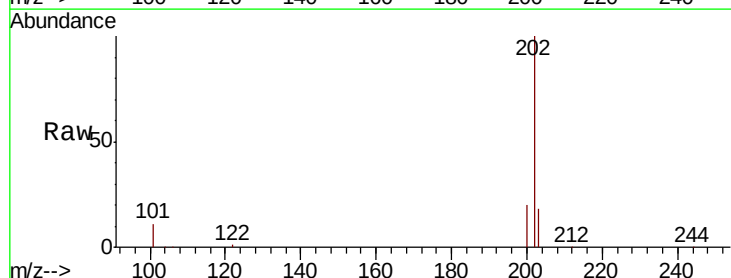
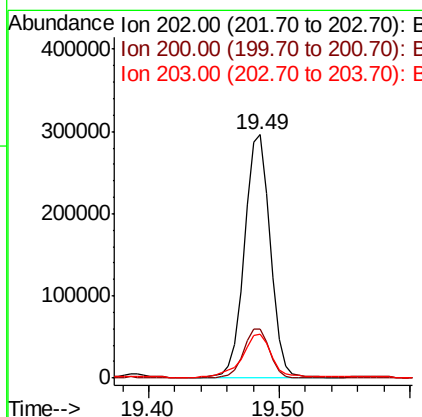
Manual Integrations
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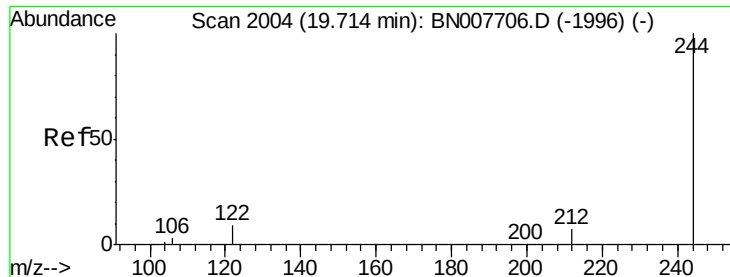
mohammad
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#28
Pyrene
Concen: 4.021 ng
RT: 19.49 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BN007994.D
Acq: 03 Oct 2019 23:23

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.4	24.6
203	19.9	14.1	21.1





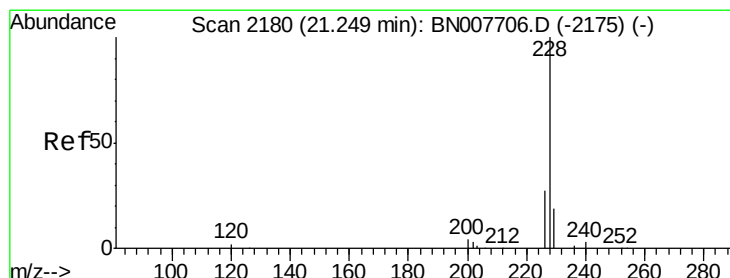
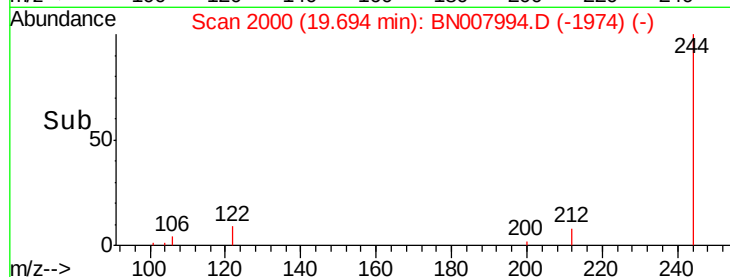
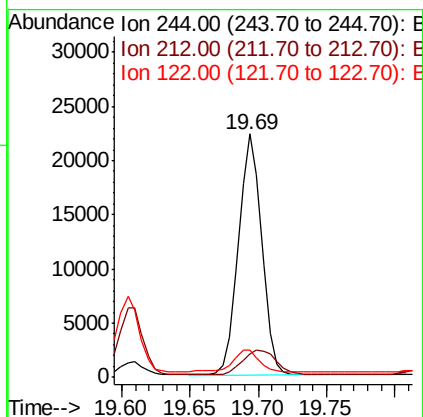
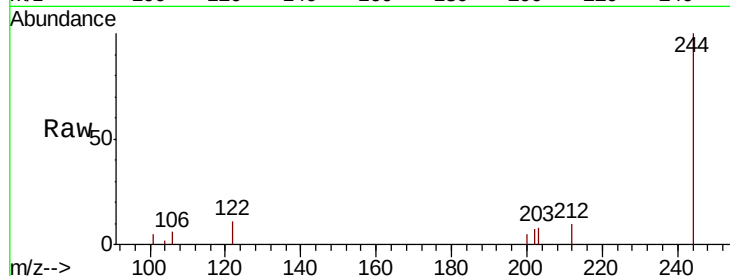
#29
 Terphenyl-d14
 Concen: 0.358 ng
 RT: 19.69 min Scan# 2000
 Delta R.T. -0.02 min
 Lab File: BN007994.D
 Acq: 03 Oct 2019 23:23

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B267-092519

Tot Ion	Ratio	Lower	Upper
244	100		
212	9.8	5.9	8.9#
122	11.2	7.4	11.2#

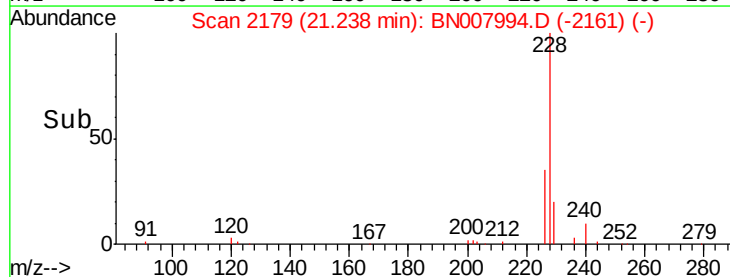
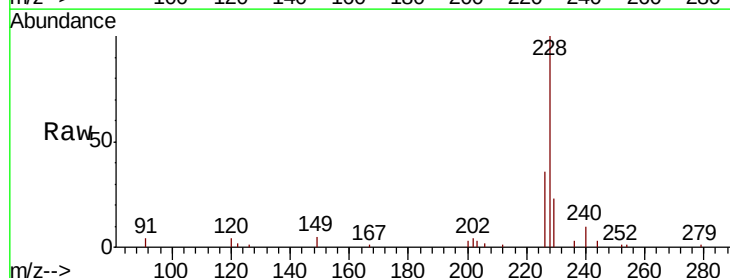
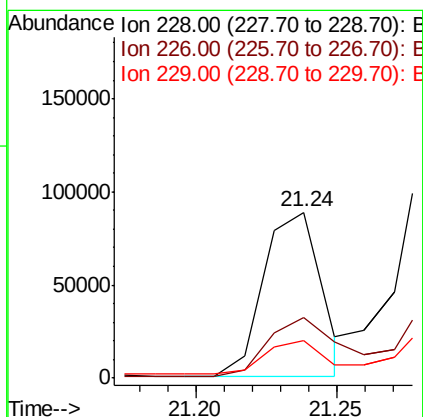
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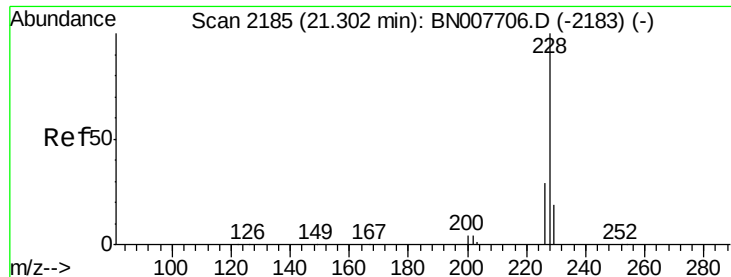
mohammad
 10/7/2019 8:27:45 AM



#30
 Benzo(a)anthracene
 Concen: 1.155 ng m
 RT: 21.24 min Scan# 2179
 Delta R.T. -0.01 min
 Lab File: BN007994.D
 Acq: 03 Oct 2019 23:23

Tgt Ion	Ratio	Lower	Upper
228	100		
226	36.4	22.1	33.1#
229	22.9	15.8	23.6





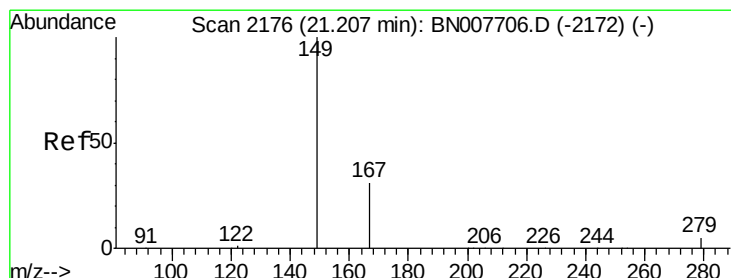
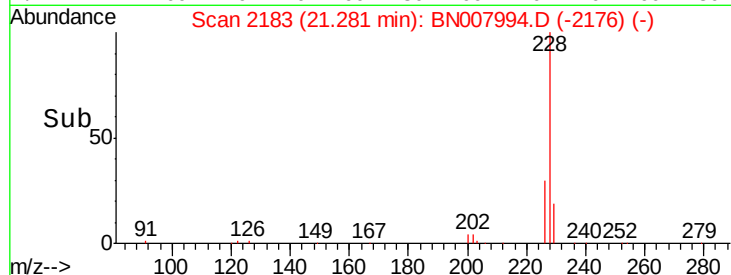
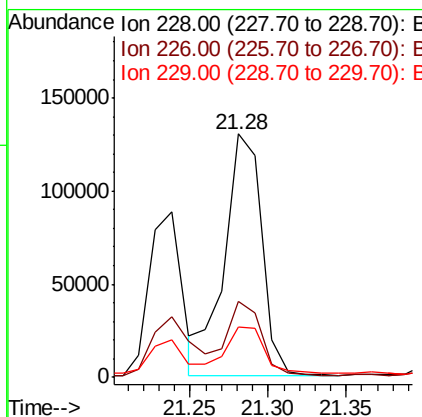
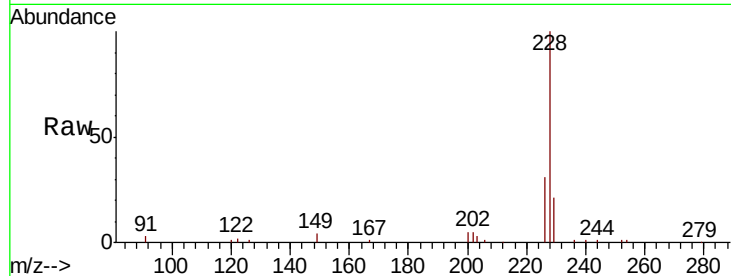
#31
 Chrysene
 Concen: 2.014 ng
 RT: 21.28 min Scan# 2183
 Delta R.T. -0.02 min
 Lab File: BN007994.D
 Acq: 03 Oct 2019 23:23

Instrument :
 BNA_N
 ClientSampleId :
 PST-024-B267-092519

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.9	35.9
229	20.9	15.8	23.6

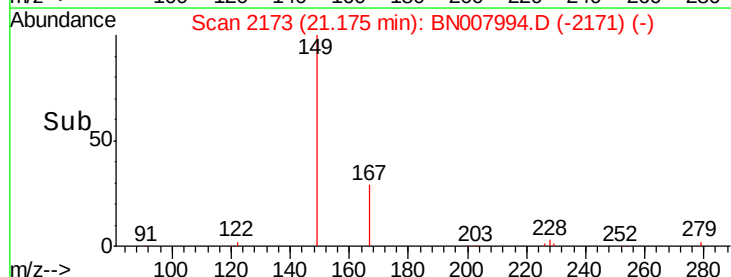
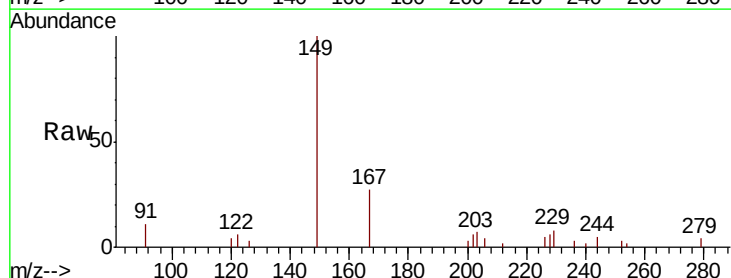
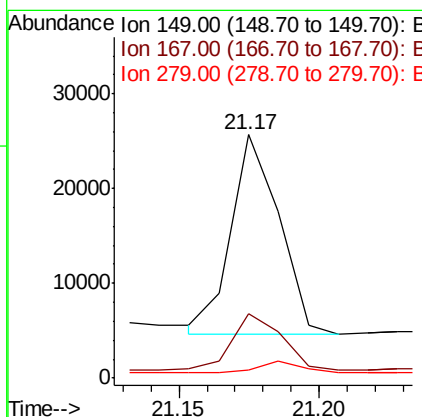
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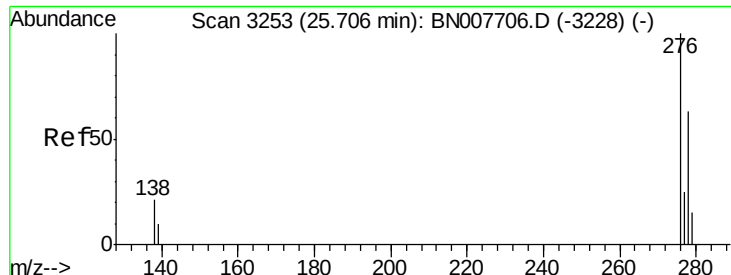
mohammad
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#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.444 ng
 RT: 21.17 min Scan# 2173
 Delta R.T. -0.03 min
 Lab File: BN007994.D
 Acq: 03 Oct 2019 23:23

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.4	23.7	35.5
279	5.3	4.2	6.2





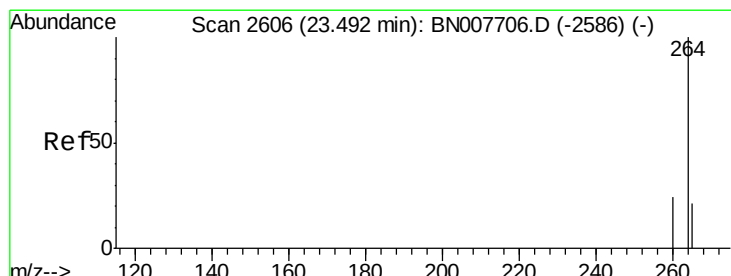
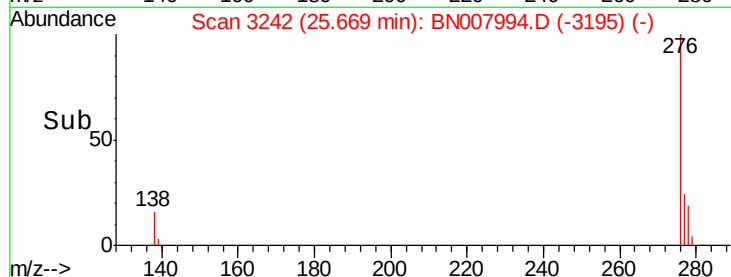
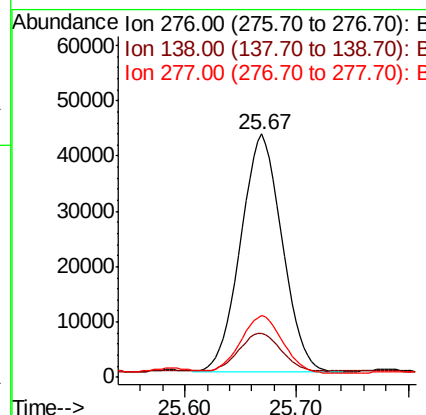
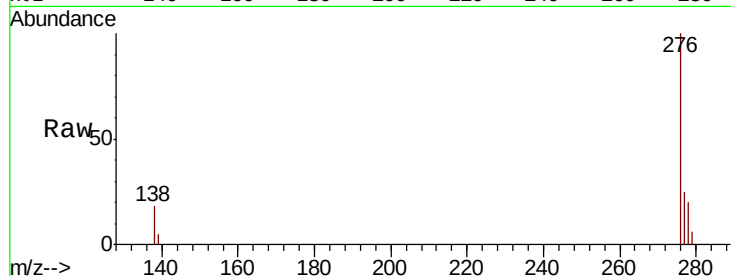
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.827 ng
RT: 25.67 min Scan# 3242
Delta R.T. -0.04 min
Lab File: BN007994.D
Acq: 03 Oct 2019 23:23

Instrument :
BNA_N
ClientSampleId :
PST-024-B267-092519

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.8	17.1	25.7#
277	24.7	20.0	30.0

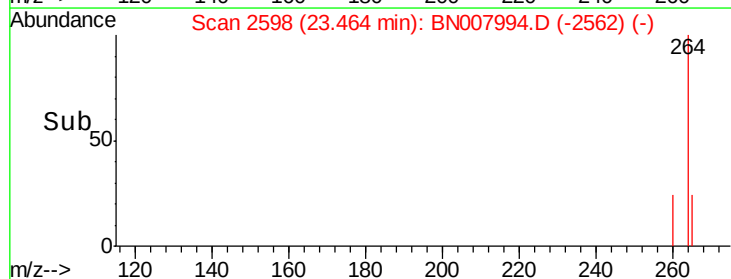
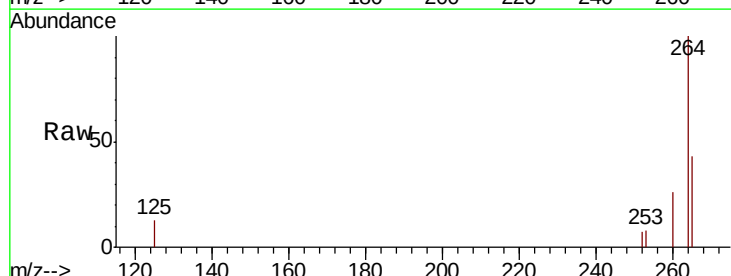
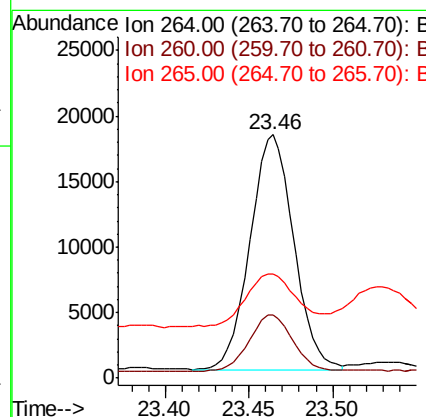
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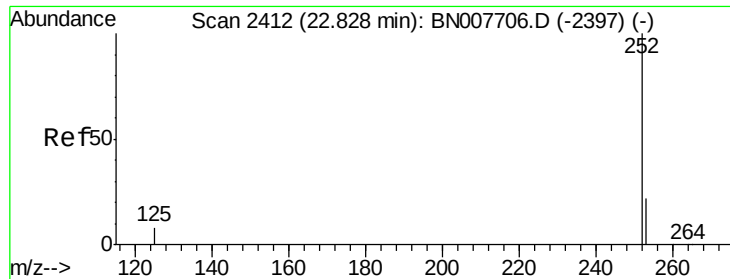
mohammad
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#34
Perylene-d12
Concen: 0.400 ng
RT: 23.46 min Scan# 2598
Delta R.T. -0.03 min
Lab File: BN007994.D
Acq: 03 Oct 2019 23:23

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.7	19.3	28.9
265	42.8	26.9	40.3#





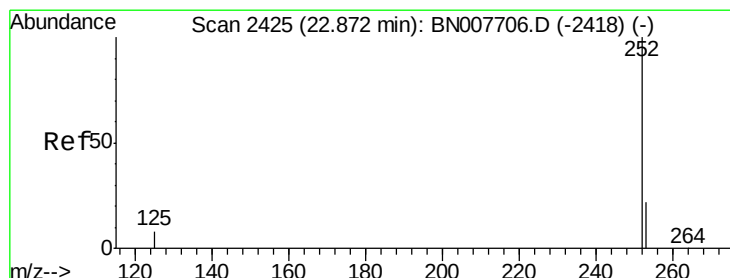
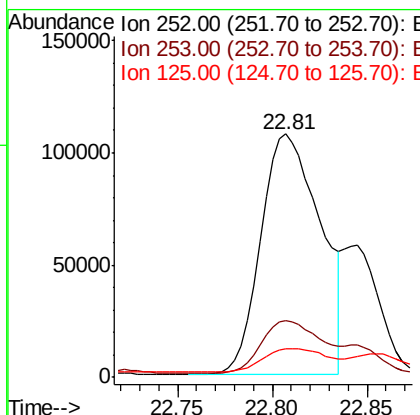
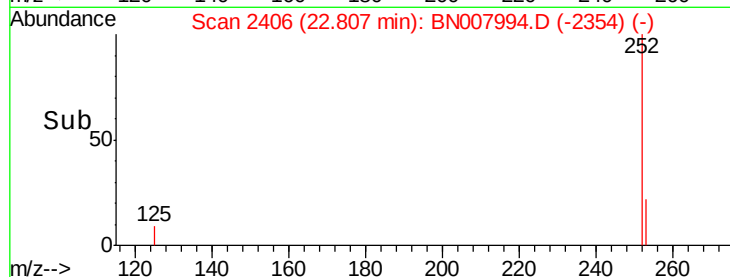
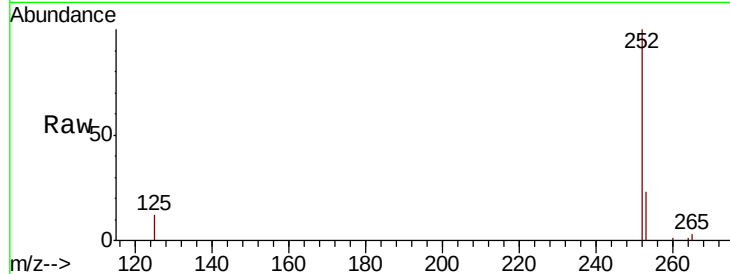
#35
Benzo(b)fluoranthene
Concen: 2.057 ng
RT: 22.81 min Scan# 2406
Delta R.T. -0.02 min
Lab File: BN007994.D
Acq: 03 Oct 2019 23:23

Instrument :
BNA_N
ClientSampleId :
PST-024-B267-092519

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.3	27.5
125	11.5	8.2	12.4

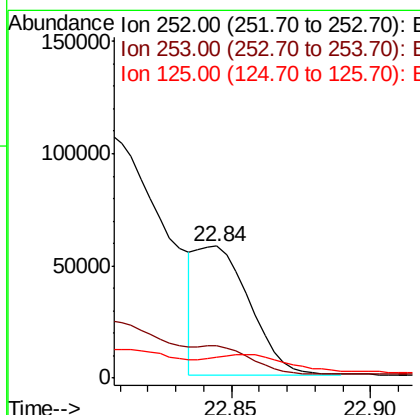
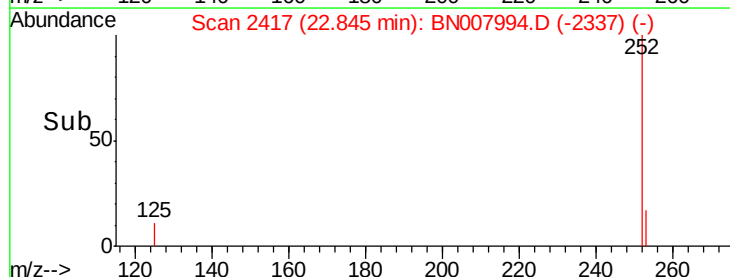
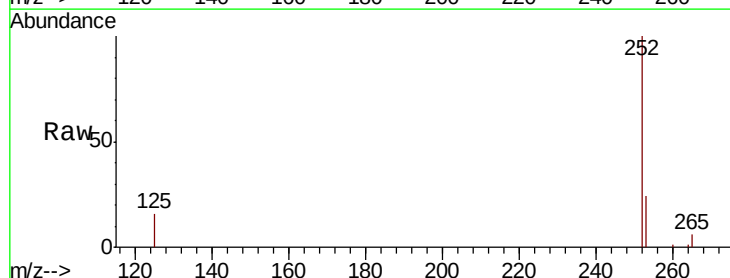
Manual Integrations
APPROVED

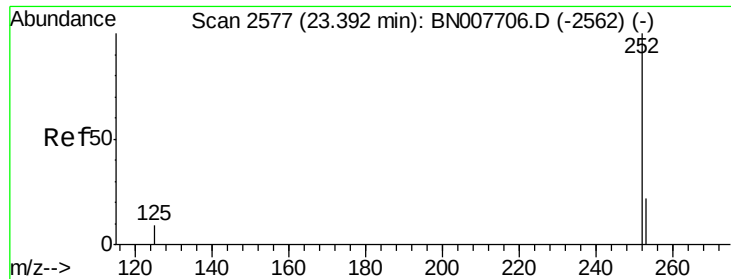
mohammad
10/7/2019 8:27:45 AM



#36
Benzo(k)fluoranthene
Concen: 0.677 ng m
RT: 22.84 min Scan# 2417
Delta R.T. -0.03 min
Lab File: BN007994.D
Acq: 03 Oct 2019 23:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.5	27.7
125	15.7	8.4	12.6#





#37

Benzo(a)pyrene

Concen: 1.359 ng

RT: 23.37 min Scan# 2569

Delta R.T. -0.03 min

Lab File: BN007994.D

Acq: 03 Oct 2019 23:23

Instrument :

BNA_N

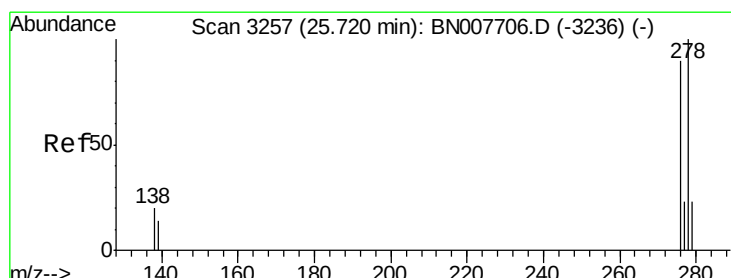
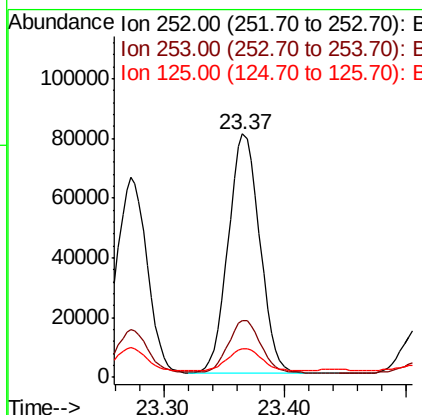
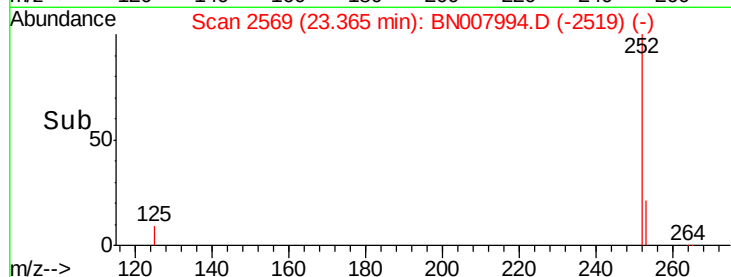
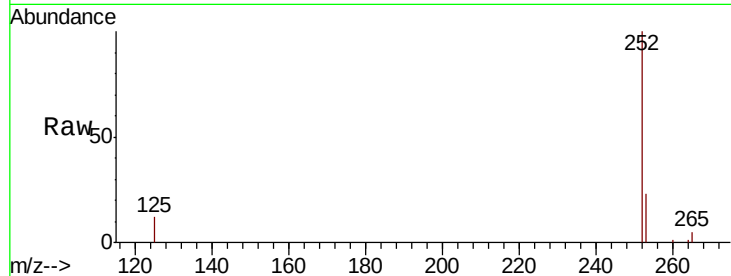
ClientSampleId :

PST-024-B267-092519

Tot Ion:	252	Resp:	145293
Ion Ratio	Lower	Upper	
252	100		
253	23.5	18.6	27.8
125	11.8	9.4	14.0

Manual Integrations
APPROVED

mohammad
10/7/2019 8:27:45 AM



#38

Dibenzo(a,h)anthracene

Concen: 0.241 ng

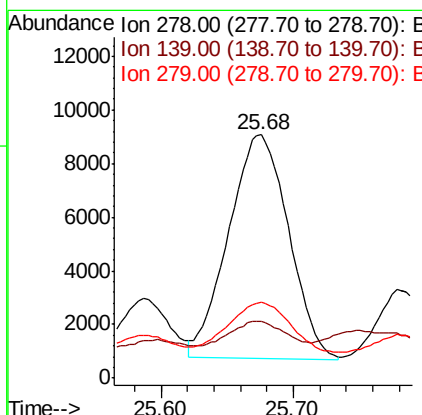
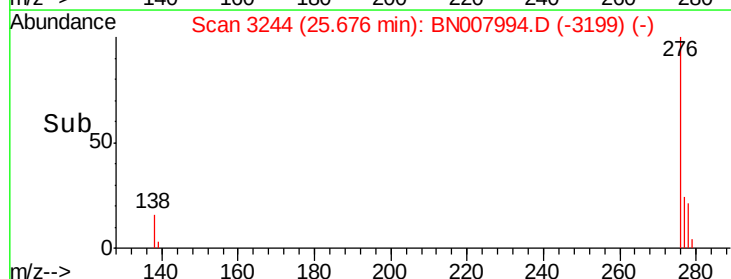
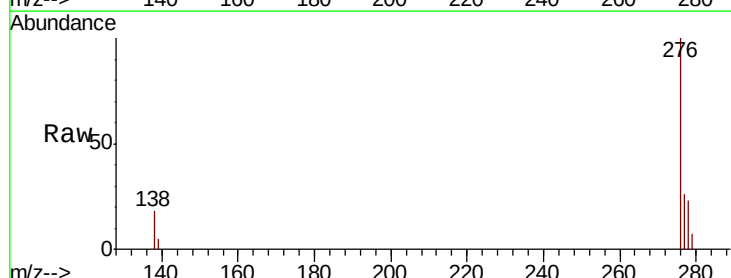
RT: 25.68 min Scan# 3244

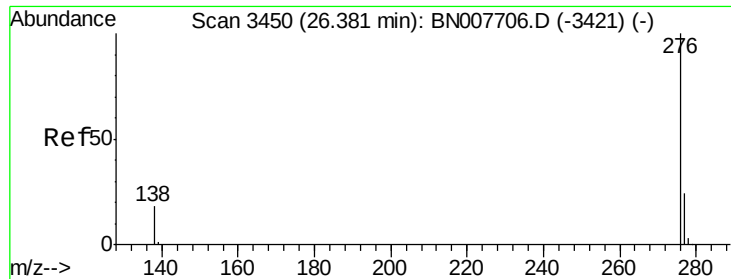
Delta R.T. -0.04 min

Lab File: BN007994.D

Acq: 03 Oct 2019 23:23

Tgt Ion:	278	Resp:	26329
Ion Ratio	Lower	Upper	
278	100		
139	23.1	11.8	17.6#
279	31.0	19.4	29.2#





#39

Benzo(a,h,i)perylene

Concen: 1.023 ng

RT: 26.34 min Scan# 3439

Delta R.T. -0.04 min

Lab File: BN007994.D

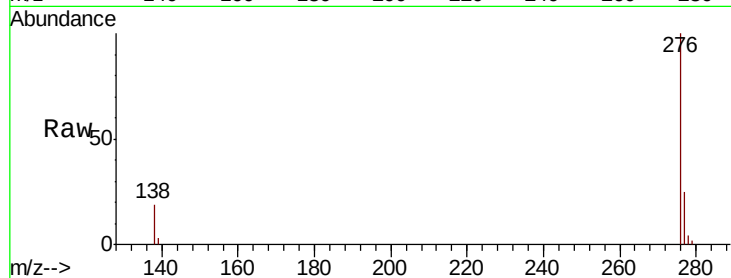
Acq: 03 Oct 2019 23:23

Instrument :

BNA_N

ClientSampleId :

PST-024-B267-092519



Tot Ion	Ion	Ratio	Resp	Lower	Upper
110716	276	100			
	277	25.2		19.8	29.8
	138	19.3		15.1	22.7

Manual Integrations
APPROVED

mohammad
10/7/2019 8:27:45 AM

