

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032219\
 Data File : BN004908.D
 Acq On : 23 Mar 2019 05:02
 Operator : JU/SJ
 Sample : K1817-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-027-SW016-030719

Manual Integrations
 APPROVED

Sohil
 3/25/2019 8:56:52 AM

Quant Time: Mar 23 05:51:37 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Mar 20 16:06:20 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	3824	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	16686	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	9318	0.40	ng	-0.01
19) Phenanthrene-d10	17.08	188	21910	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	25416	0.40	ng	-0.01
34) Perylene-d12	23.53	264	21701	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.28	112	3035	0.29	ng	0.00
5) Phenol-d6	6.86	99	3932	0.30	ng	-0.02
8) Nitrobenzene-d5	8.86	82	2956	0.27	ng	-0.01
11) 2-Methylnaphthalene-d10	12.07	152	6768	0.23	ng	-0.01
14) 2,4,6-Tribromophenol	15.84	330	1606	0.25	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	9735	0.25	ng	-0.01
25) Fluoranthene-d10	19.12	212	15626	0.21	ng	-0.01
29) Terphenyl-d14	19.72	244	11475	0.22	ng	0.00

Target Compounds

						Qvalue
9) Naphthalene	10.52	128	7646	0.163	ng	99
12) 2-Methylnaphthalene	12.14	142	3789	0.109	ng	99
16) Acenaphthylene	14.05	152	27940	0.582	ng	99
17) Acenaphthene	14.39	154	7266	0.231	ng	99
18) Fluorene	15.38	166	9374	0.214	ng	# 92
23) Phenanthrene	17.12	178	186223	2.632	ng	99
24) Anthracene	17.22	178	44773	0.709	ng	# 95
26) Fluoranthene	19.15	202	387009	4.257	ng	99
28) Pyrene	19.51	202	386344	4.985	ng	# 96
30) Benzo(a)anthracene	21.26	228	232039	2.784	ng	97
31) Chrysene	21.31	228	195745	2.230	ng	96
32) Bis(2-ethylhexyl)phthalate	21.18	149	17779	0.534	ng	99
33) Indeno(1,2,3-cd)pyrene	25.79	276	106030	0.835	ng	98
35) Benzo(b)fluoranthene	22.85	252	250212	3.187	ng	# 75
36) Benzo(k)fluoranthene	22.89	252	75984m	0.984	ng	
37) Benzo(a)pyrene	23.43	252	170367	2.366	ng	98
38) Dibenzo(a,h)anthracene	25.80	278	29085	0.349	ng	# 82
39) Benzo(a,h,i)perylene	26.49	276	100589	1.184	ng	98

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

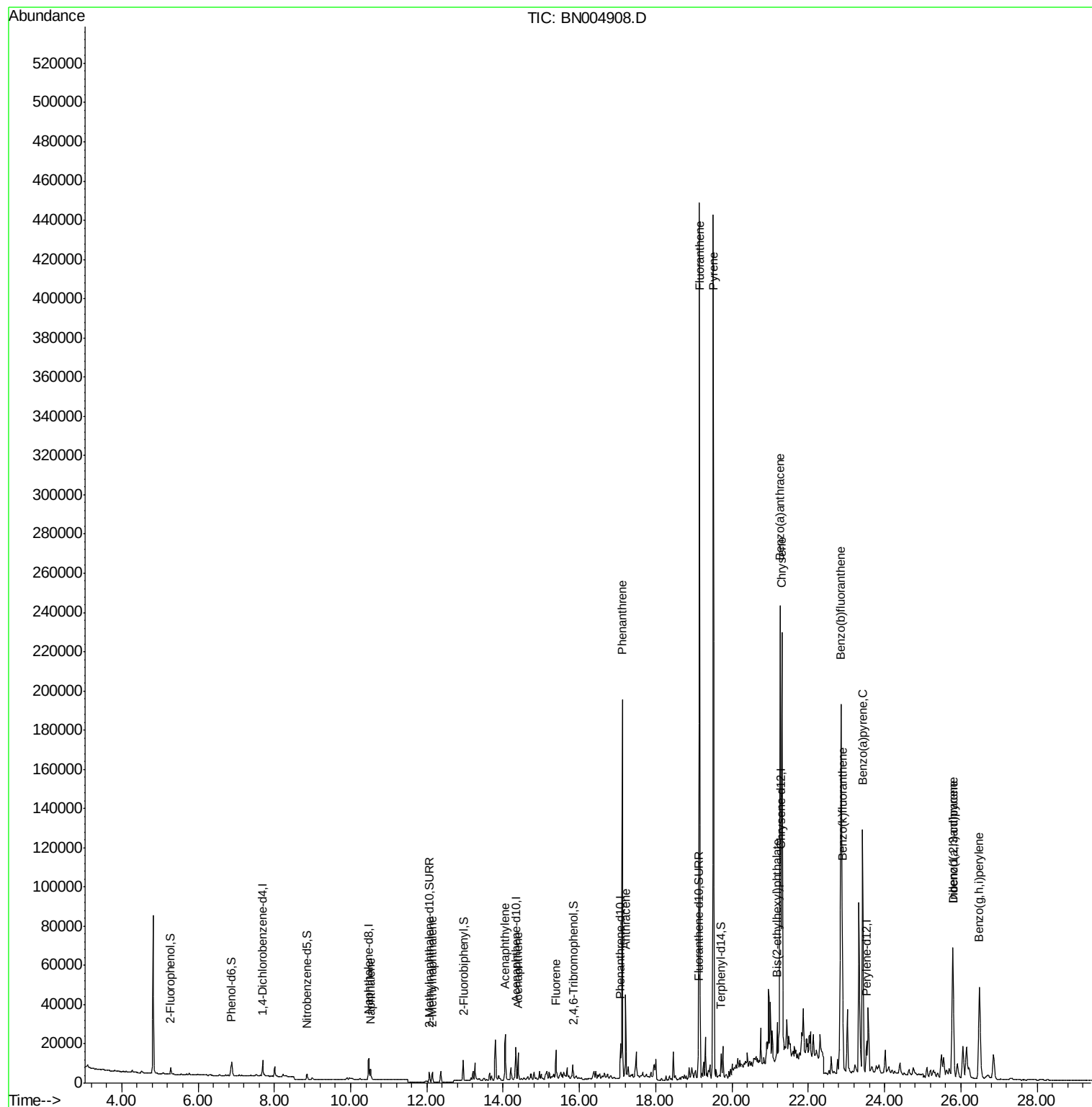
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032219\
Data File : BN004908.D
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ALS Vial : 16 Sample Multiplier: 1

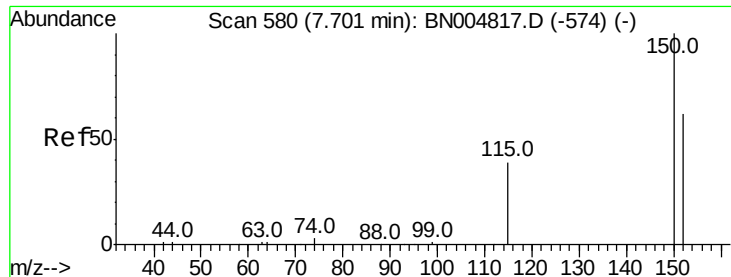
Instrument :
BNA_N
ClientSampleId :
EXT-027-SW016-030719

Quant Time: Mar 23 05:51:37 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

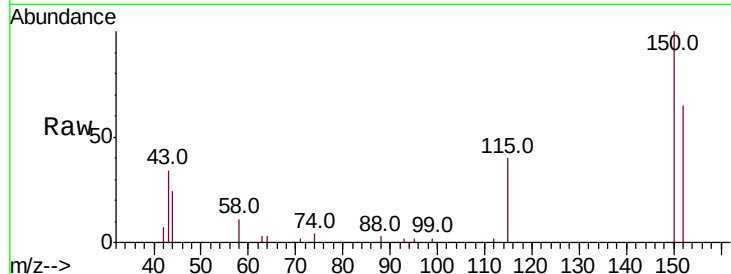
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 579
Delta R.T. -0.01 min
Lab File: BN004908.D
Acq: 23 Mar 2019 05:02

Instrument :
BNA_N
ClientSampleId :
EXT-027-SW016-030719

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	126.2	189.4
115	61.4	52.6	79.0

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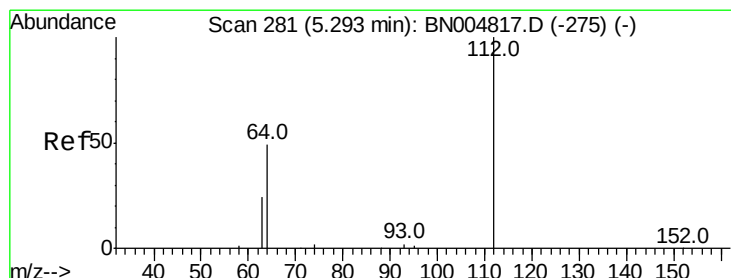
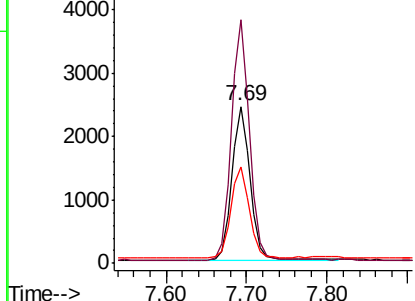
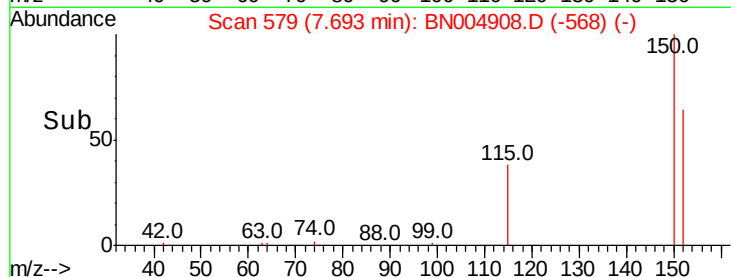


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

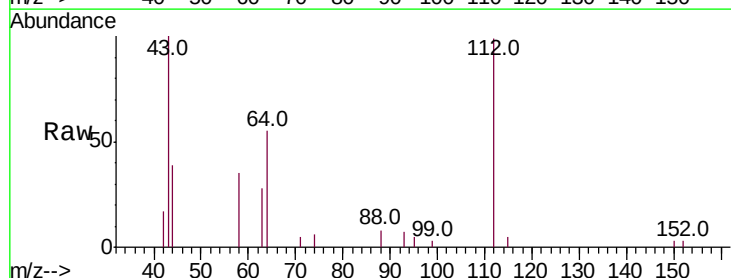
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.292 ng
RT: 5.28 min Scan# 280
Delta R.T. -0.01 min
Lab File: BN004908.D
Acq: 23 Mar 2019 05:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.1	40.0	60.0
63	24.8	20.2	30.2

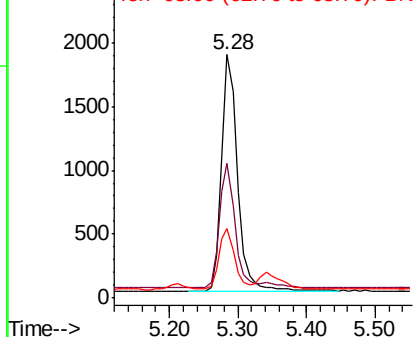
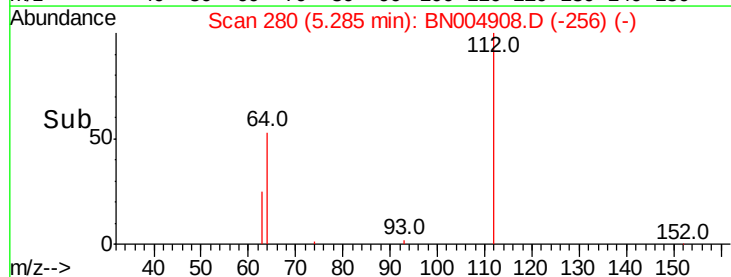


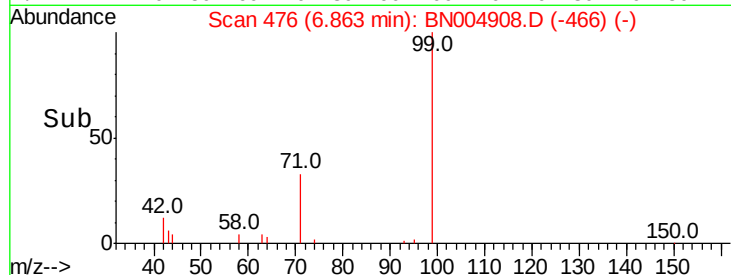
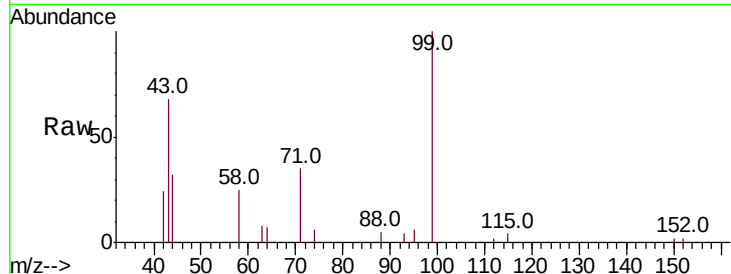
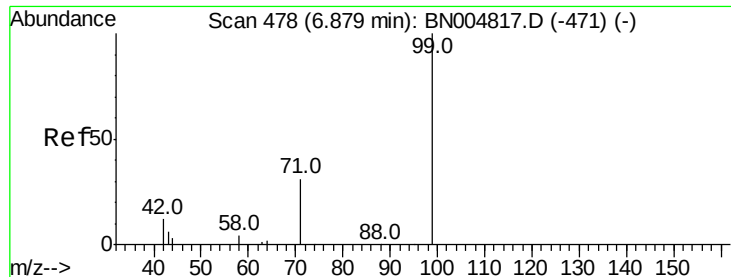
Abundance

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: 0.304 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004908.D

Acq: 23 Mar 2019 05:02

Tot Ion:	99	Resp:	3932
Ion Ratio	Lower	Upper	
99	100		
42	25.0	12.7	19.1#
71	33.1	26.6	40.0

Instrument :

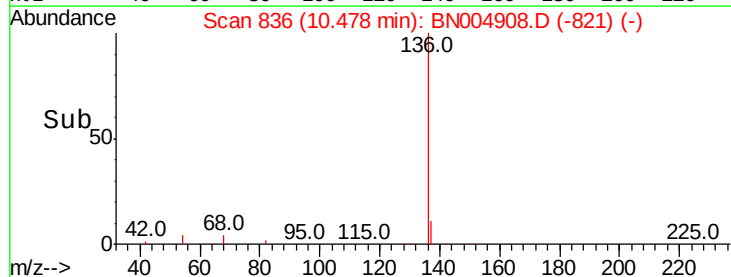
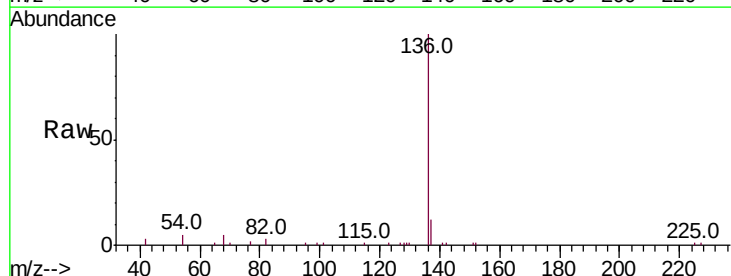
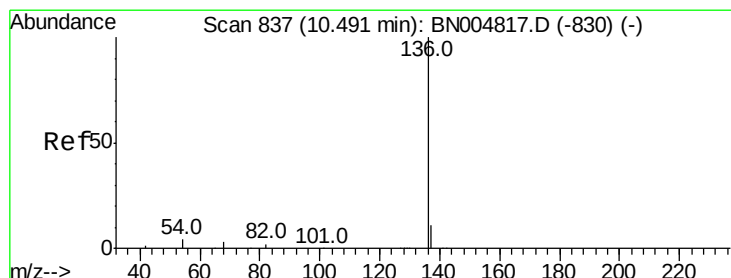
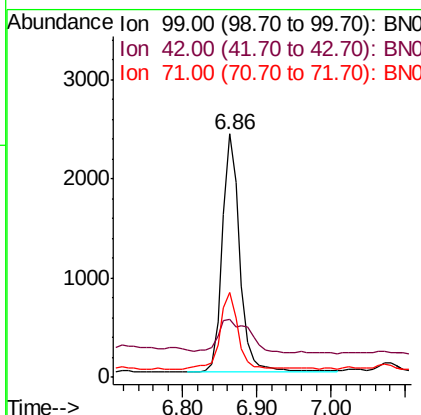
BNA_N

ClientSampleId :

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#7

Naphthalene-d8

Concen: 0.400 ng

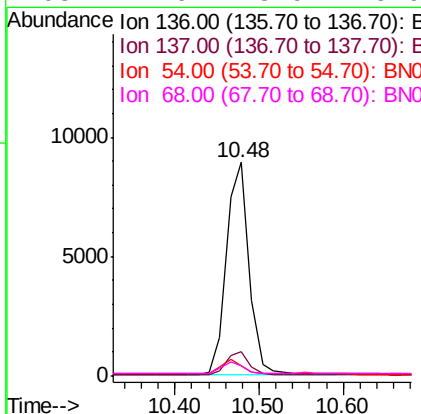
RT: 10.48 min Scan# 836

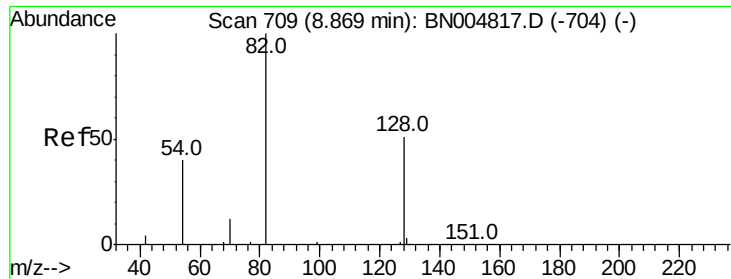
Delta R.T. -0.01 min

Lab File: BN004908.D

Acq: 23 Mar 2019 05:02

Tgt Ion:	136	Resp:	16686
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.6	14.4
54	4.8	4.2	6.2
68	4.6	3.9	5.9





#8

Nitrobenzene-d5

Concen: 0.268 ng

RT: 8.86 min Scan# 708

Delta R.T. -0.01 min

Lab File: BN004908.D

Acq: 23 Mar 2019 05:02

Instrument :

BNA_N

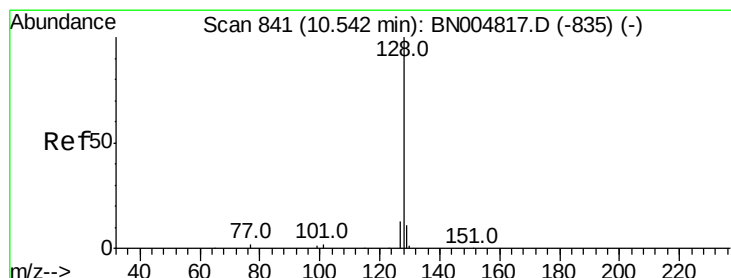
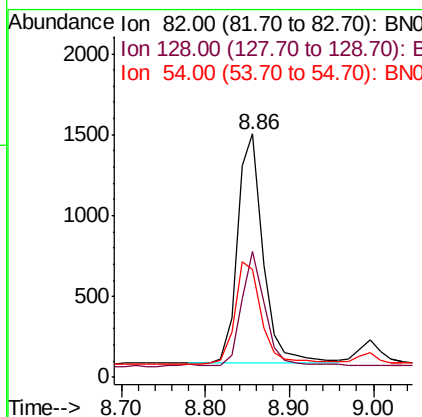
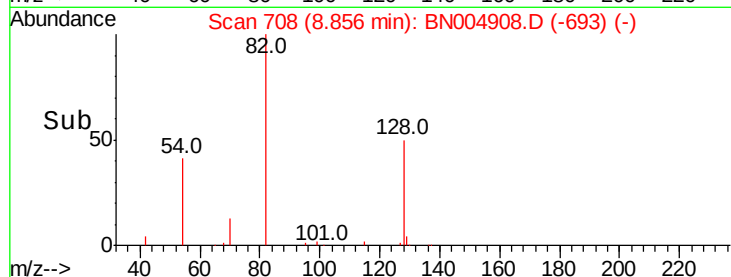
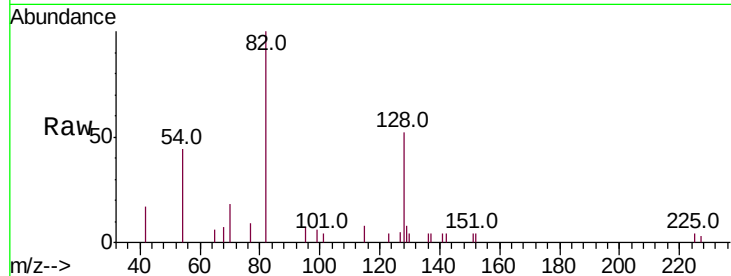
ClientSampleId :

EXT-027-SW016-030719

Tot Ion:	82	Resp:	2956
Ion Ratio	Lower	Upper	
82	100		
128	51.9	43.0	64.6
54	44.5	35.3	52.9

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#9

Naphthalene

Concen: 0.163 ng

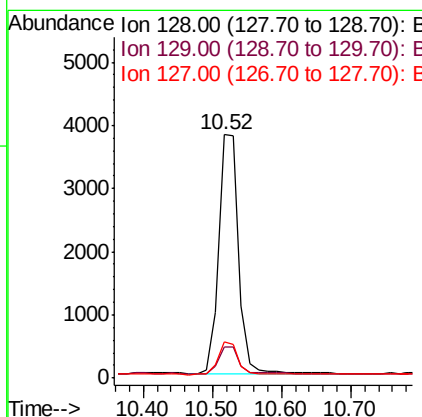
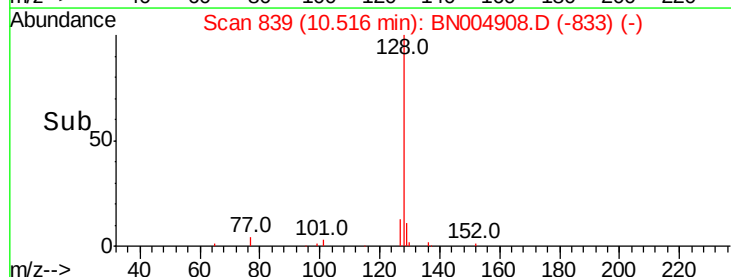
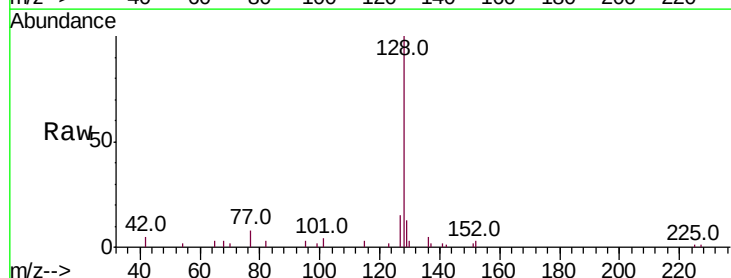
RT: 10.52 min Scan# 839

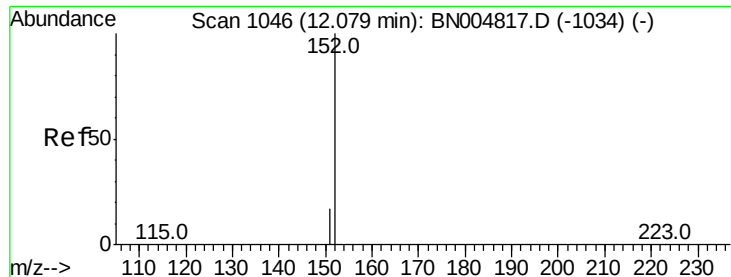
Delta R.T. -0.03 min

Lab File: BN004908.D

Acq: 23 Mar 2019 05:02

Tgt Ion:	128	Resp:	7646
Ion Ratio	Lower	Upper	
128	100		
129	12.9	9.9	14.9
127	14.8	11.3	16.9





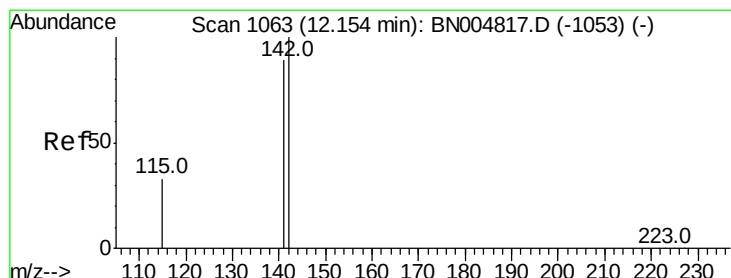
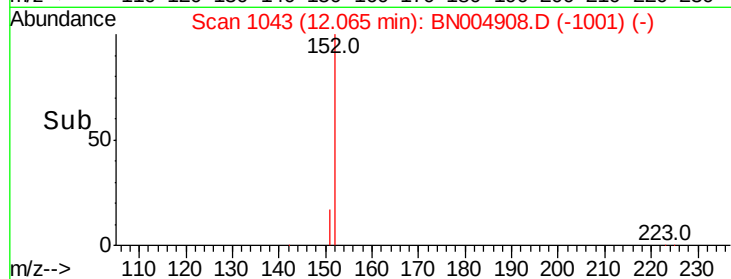
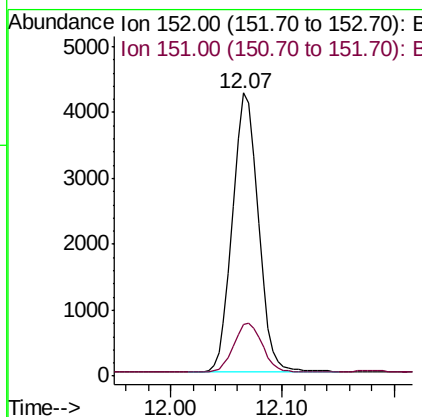
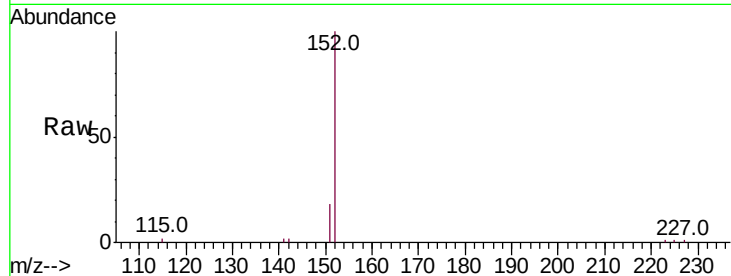
#11
 2-Methylnaphthalene-d10
 Concen: 0.232 ng
 RT: 12.07 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: BN004908.D
 Acq: 23 Mar 2019 05:02

Instrument :
 BNA_N
 ClientSampleId :
 EXT-027-SW016-030719

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.5	23.3

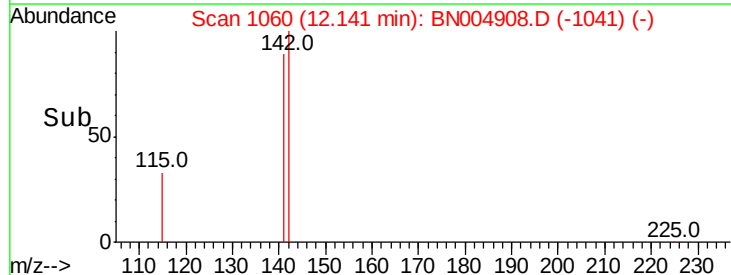
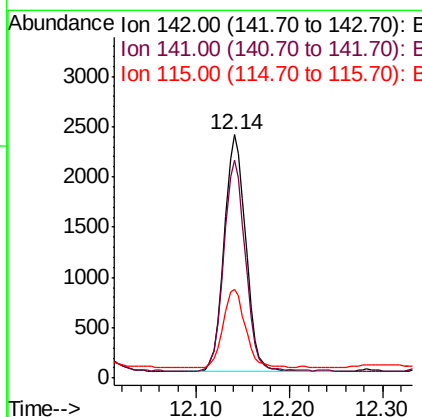
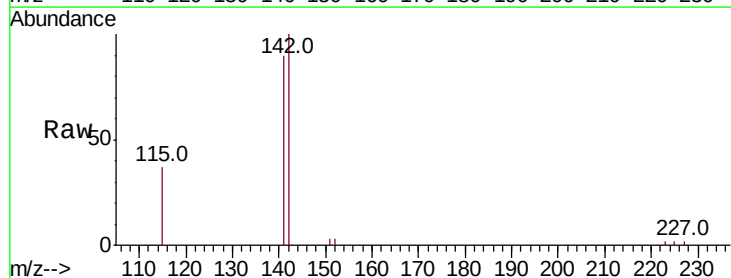
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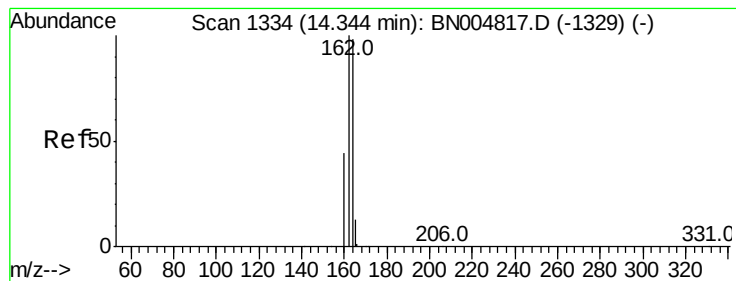
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#12
 2-Methylnaphthalene
 Concen: 0.109 ng
 RT: 12.14 min Scan# 1060
 Delta R.T. -0.01 min
 Lab File: BN004908.D
 Acq: 23 Mar 2019 05:02

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.4	107.2
115	36.6	27.5	41.3





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004908.D

Acq: 23 Mar 2019 05:02

Instrument :

BNA_N

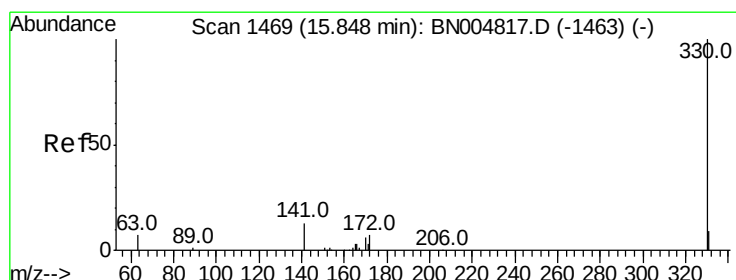
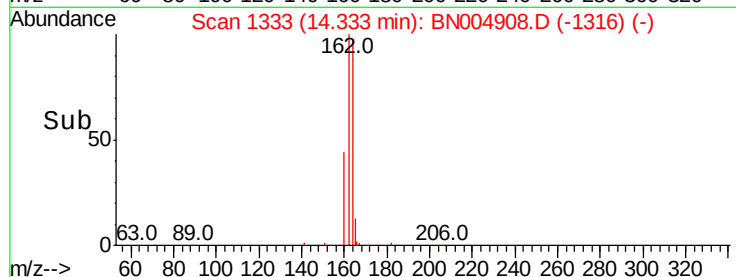
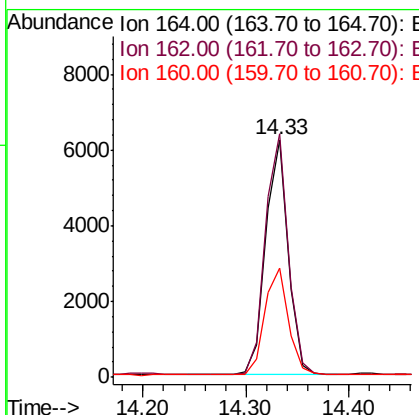
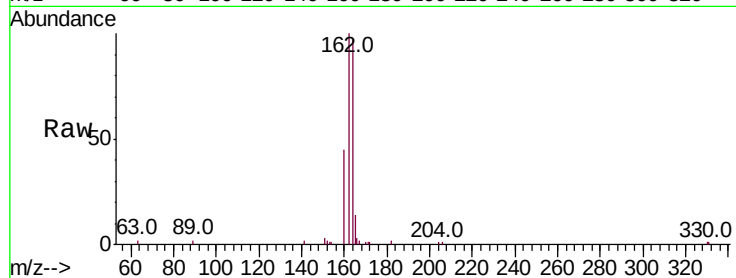
ClientSampleId :

EXT-027-SW016-030719

Tot Ion:	164	Resp:	9318
Ion Ratio	Lower	Upper	
164	100		
162	102.6	81.9	122.9
160	45.8	36.6	54.8

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#14

2,4,6-Tribromophenol

Concen: 0.250 ng

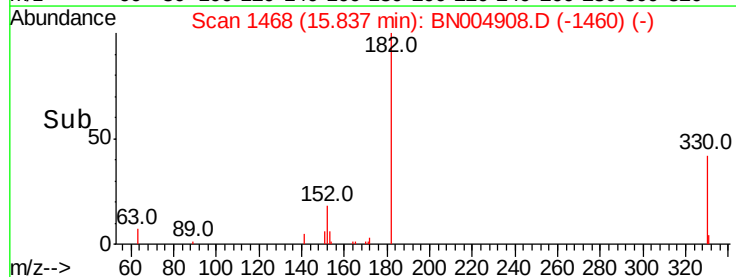
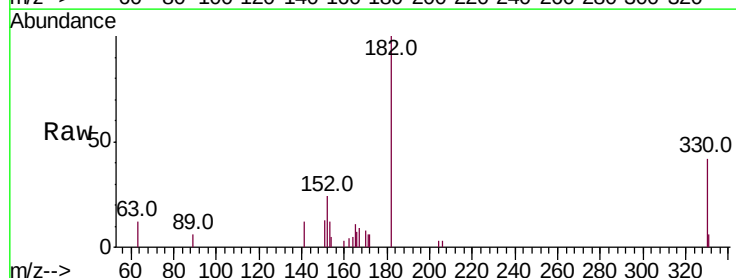
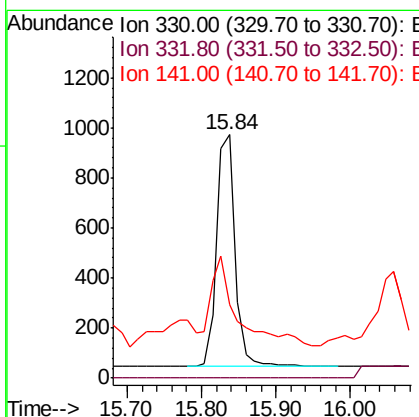
RT: 15.84 min Scan# 1468

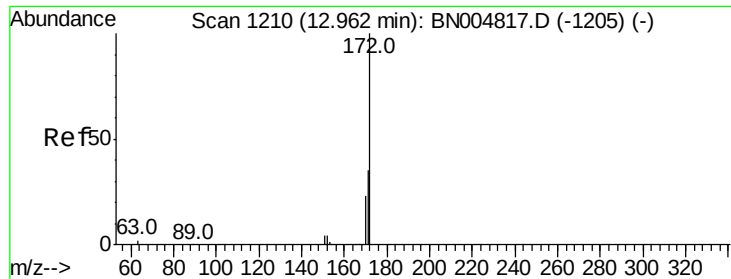
Delta R.T. -0.01 min

Lab File: BN004908.D

Acq: 23 Mar 2019 05:02

Tgt Ion:	330	Resp:	1606
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	53.2	20.9	31.3#





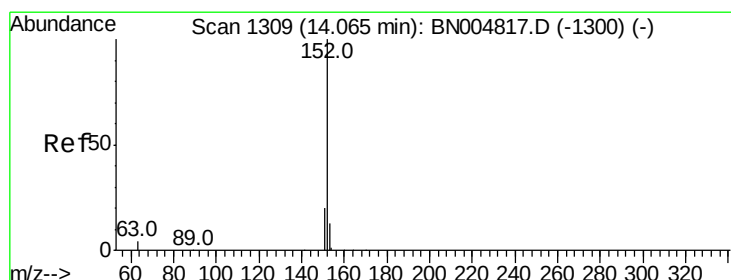
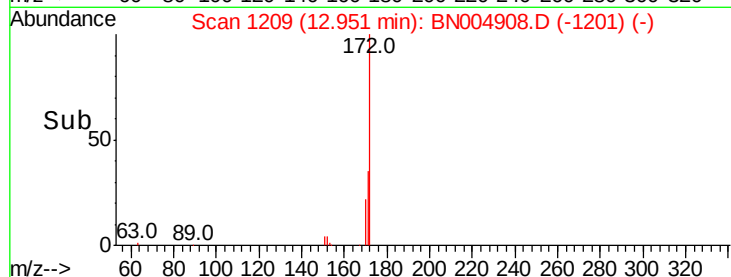
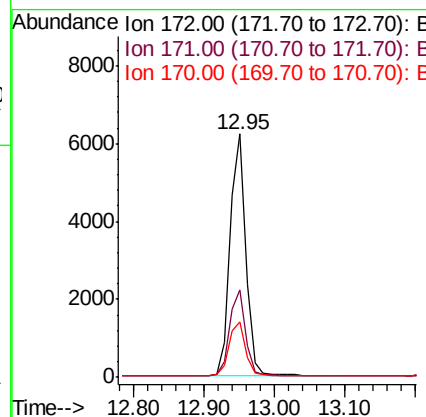
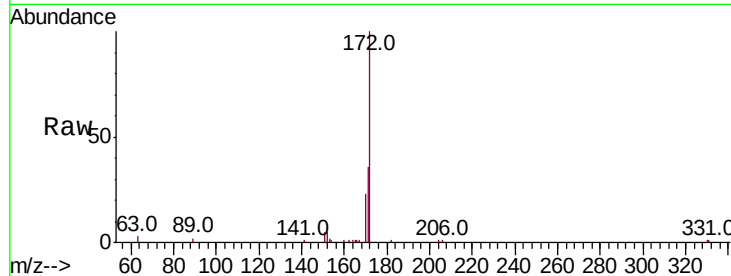
#15
2-Fluorobiphenyl
Concen: 0.253 ng
RT: 12.95 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BN004908.D
Acq: 23 Mar 2019 05:02

Instrument :
BNA_N
ClientSampleId :
EXT-027-SW016-030719

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.7	43.1
170	22.8	18.7	28.1

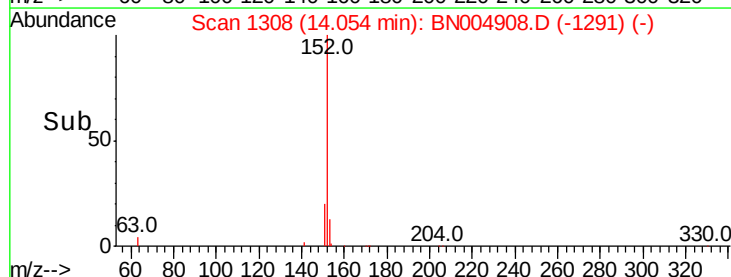
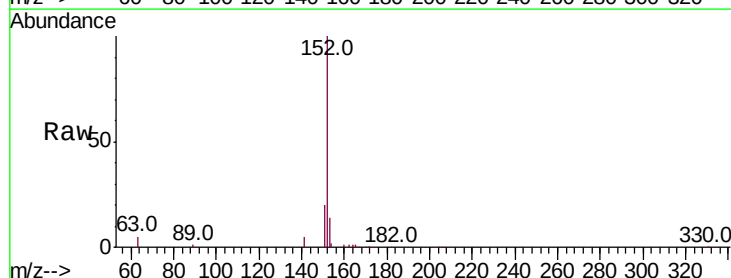
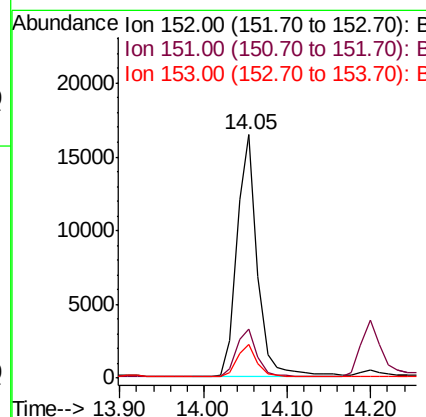
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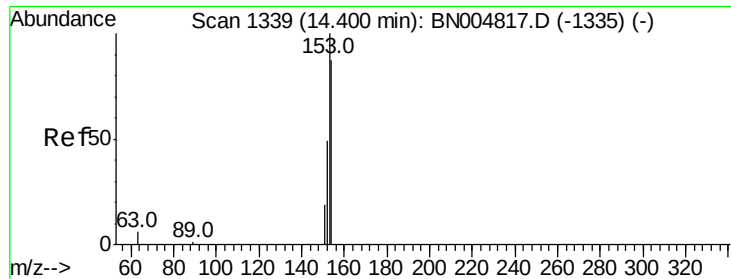
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#16
Acenaphthylene
Concen: 0.582 ng
RT: 14.05 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BN004908.D
Acq: 23 Mar 2019 05:02

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.1	24.1
153	13.9	10.5	15.7





#17

Acenaphthene

Concen: 0.231 ng

RT: 14.39 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BN004908.D

Acq: 23 Mar 2019 05:02

Instrument :

BNA_N

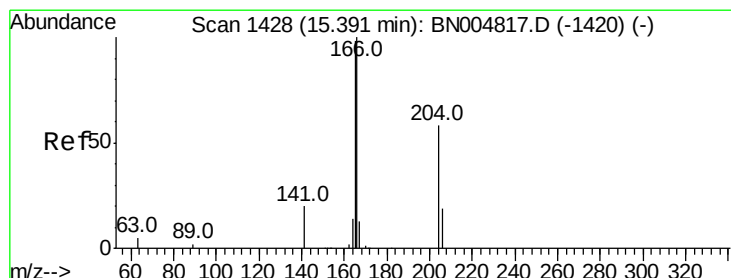
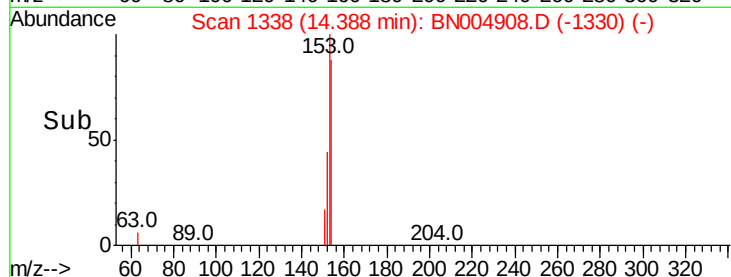
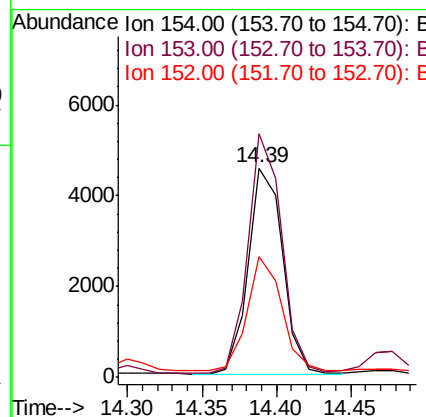
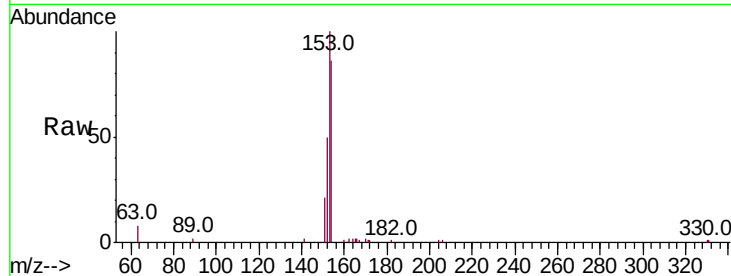
ClientSampleId :

EXT-027-SW016-030719

Tot Ion:	154	Resp:	7266
Ion Ratio	Lower	Upper	
154	100		
153	114.7	91.4	137.2
152	55.8	44.2	66.2

Manual Integrations
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#18

Fluorene

Concen: 0.214 ng

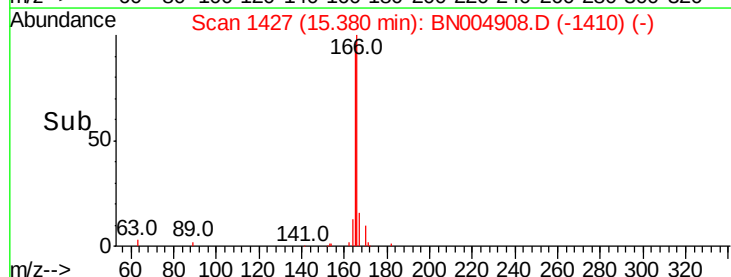
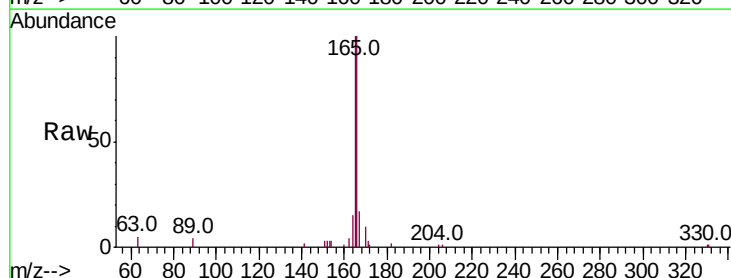
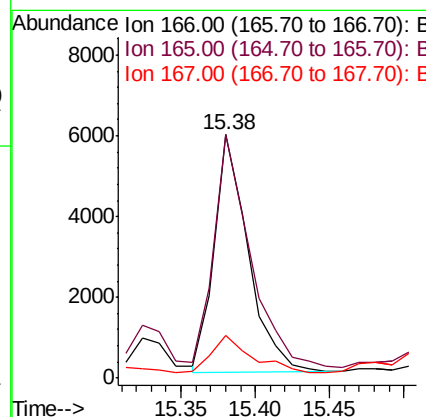
RT: 15.38 min Scan# 1427

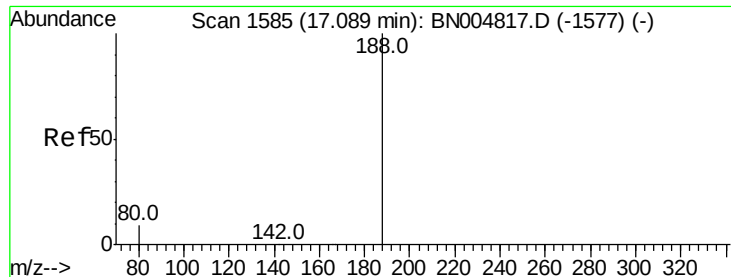
Delta R.T. -0.01 min

Lab File: BN004908.D

Acq: 23 Mar 2019 05:02

Tgt Ion:	166	Resp:	9374
Ion Ratio	Lower	Upper	
166	100		
165	104.9	78.2	117.4
167	19.2	11.0	16.4#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.08 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BN004908.D

Acq: 23 Mar 2019 05:02

Instrument :

BNA_N

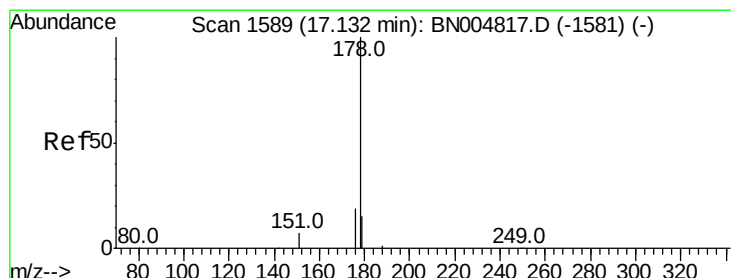
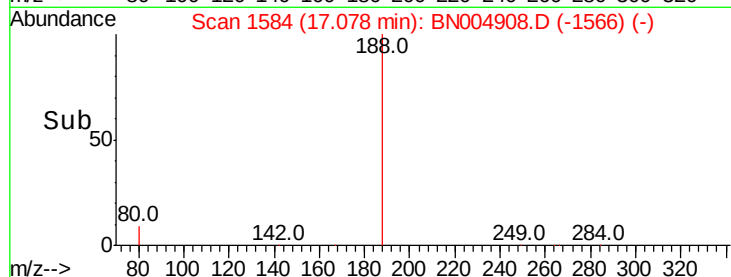
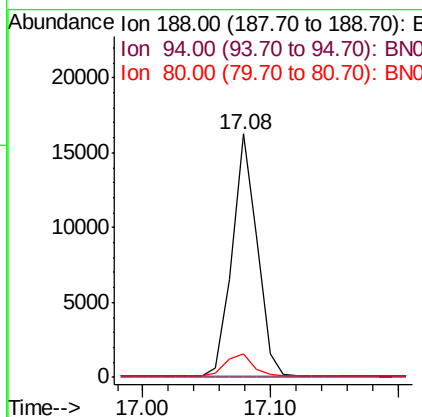
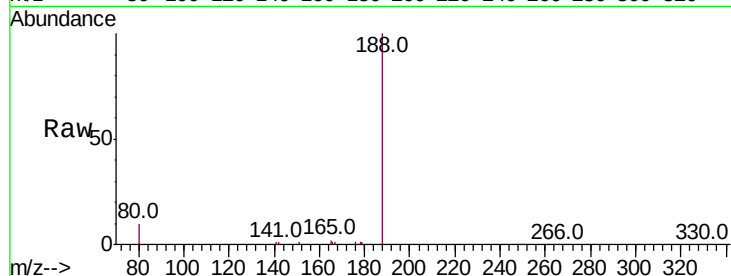
ClientSampleId :

EXT-027-SW016-030719

Tot Ion:188	Resp:	21910
Ion Ratio	Lower	Upper
188 100		
94 0.0	0.0	0.0
80 9.8	7.4	11.2

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#23

Phenanthrene

Concen: 2.632 ng

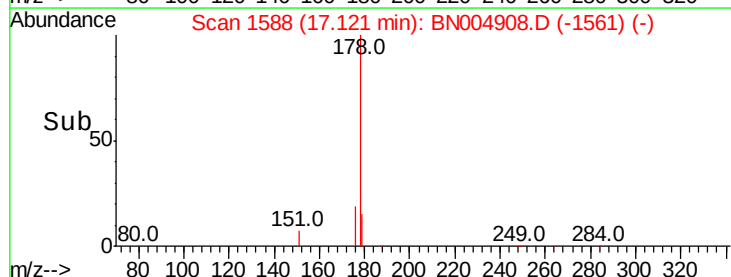
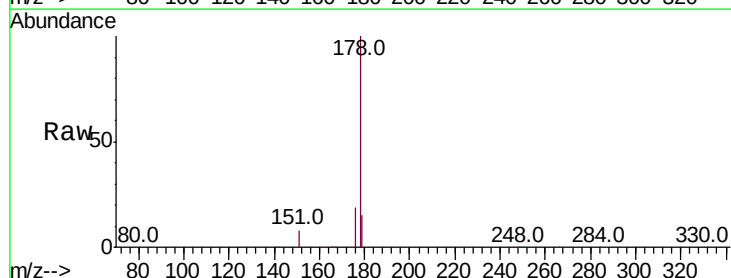
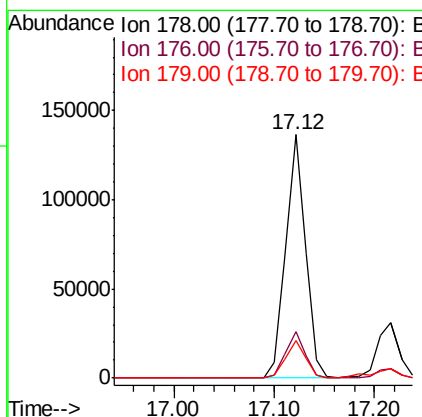
RT: 17.12 min Scan# 1588

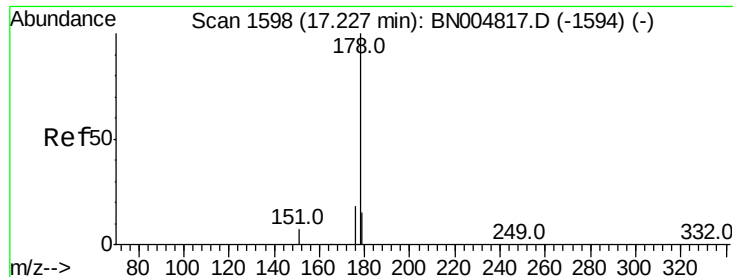
Delta R.T. -0.01 min

Lab File: BN004908.D

Acq: 23 Mar 2019 05:02

Tgt Ion:178	Resp:	186223
Ion Ratio	Lower	Upper
178 100		
176 18.8	14.9	22.3
179 15.4	12.1	18.1





#24

Anthracene

Concen: 0.709 ng

RT: 17.22 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BN004908.D

Acq: 23 Mar 2019 05:02

Instrument :

BNA_N

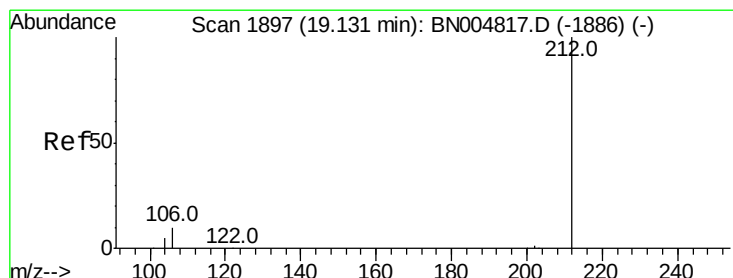
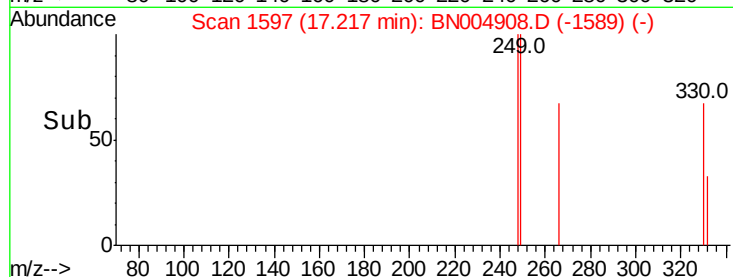
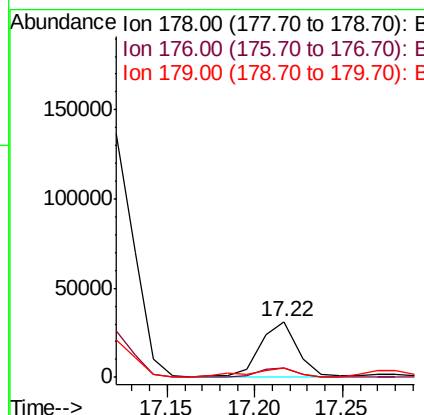
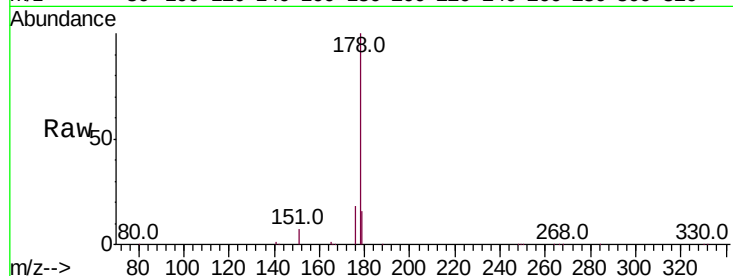
ClientSampleId :

EXT-027-SW016-030719

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.5	21.7
179	19.3	12.2	18.4

Manual Integrations
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#25

Fluoranthene-d10

Concen: 0.213 ng

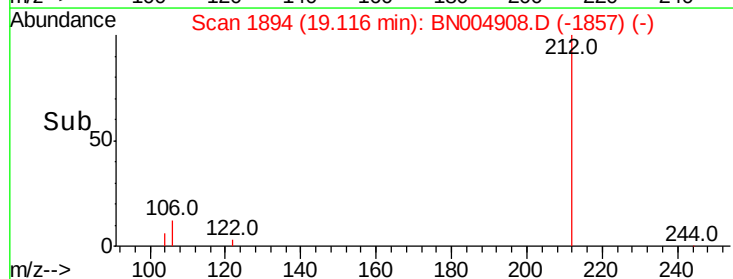
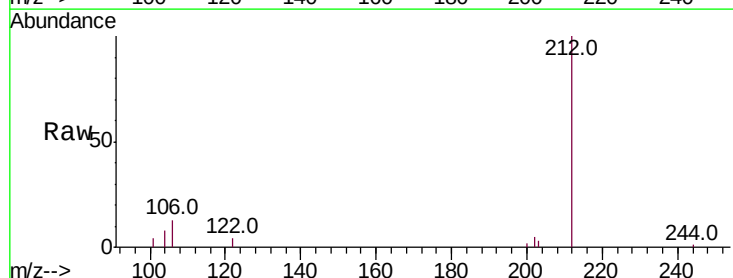
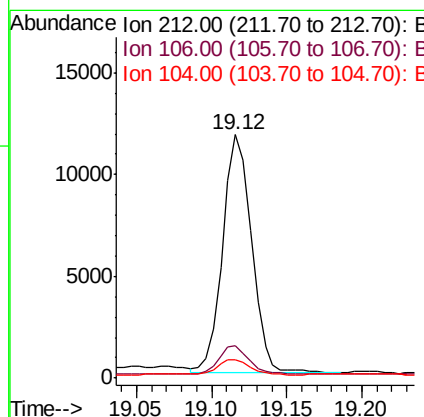
RT: 19.12 min Scan# 1894

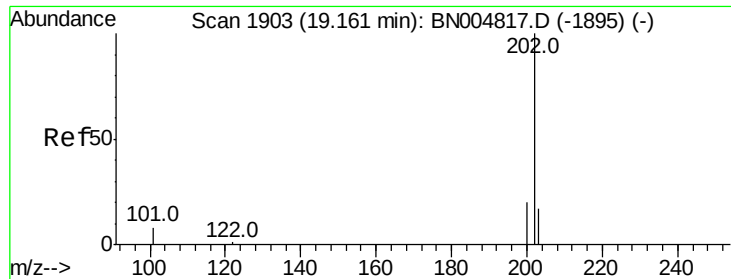
Delta R.T. -0.01 min

Lab File: BN004908.D

Acq: 23 Mar 2019 05:02

Tgt Ion	Ratio	Lower	Upper
212	100		
106	12.4	8.6	13.0
104	6.9	4.7	7.1





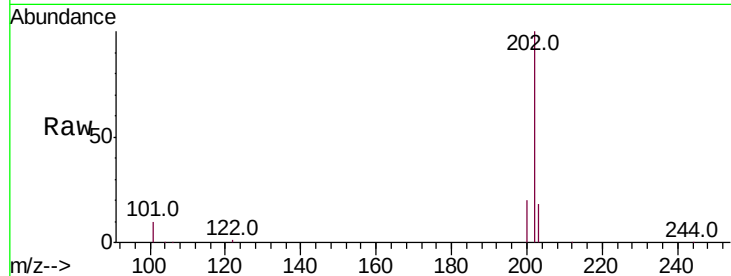
#26
 Fluoranthene
 Concen: 4.257 ng
 RT: 19.15 min Scan# 1900
 Delta R.T. -0.01 min
 Lab File: BN004908.D
 Acq: 23 Mar 2019 05:02

Instrument :
 BNA_N
 ClientSampleId :
 EXT-027-SW016-030719

Tot Ion	Ratio	Resp	Lower	Upper
202	100	387009		
101	10.1		7.5	11.3
203	17.6		13.8	20.6

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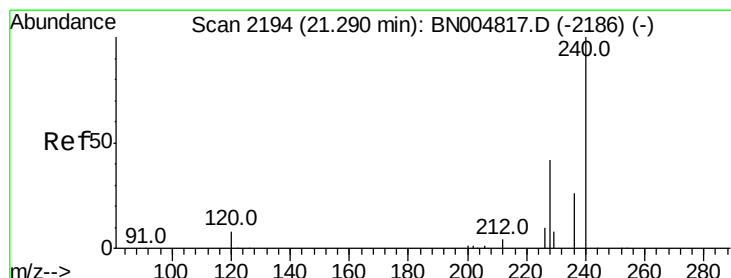
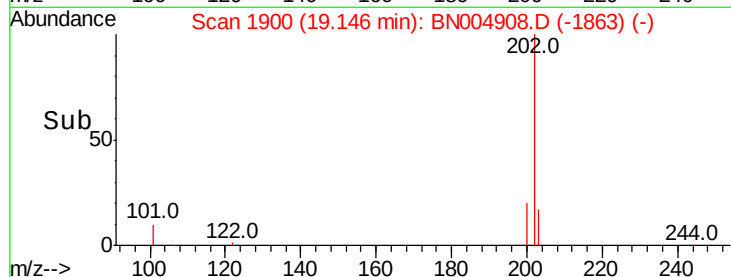
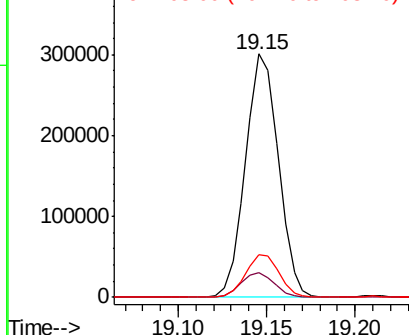


Abundance

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: 21.28 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BN004908.D
 Acq: 23 Mar 2019 05:02

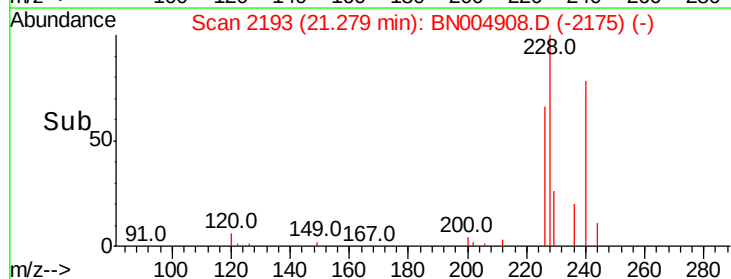
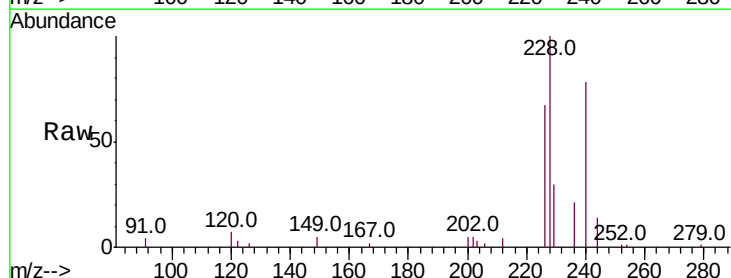
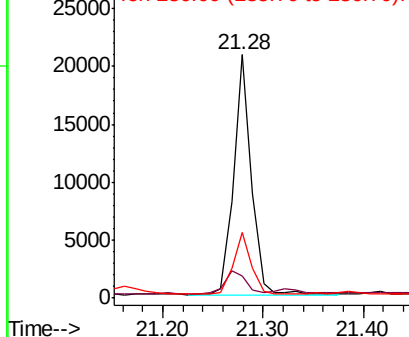
Tgt Ion	Ratio	Resp	Lower	Upper
240	100	25416		
120	9.2		7.2	10.8
236	27.2		20.9	31.3

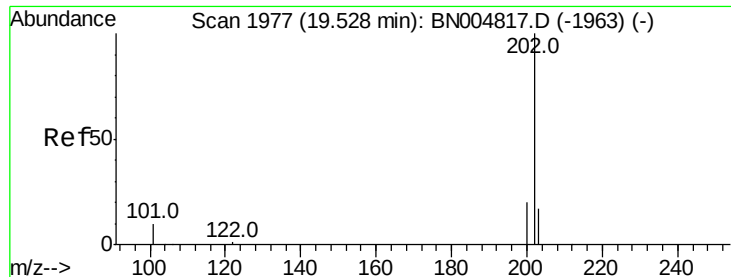
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





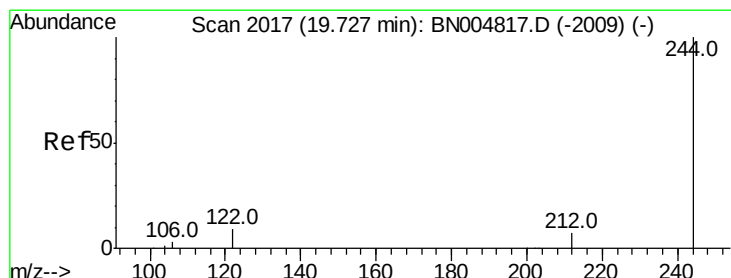
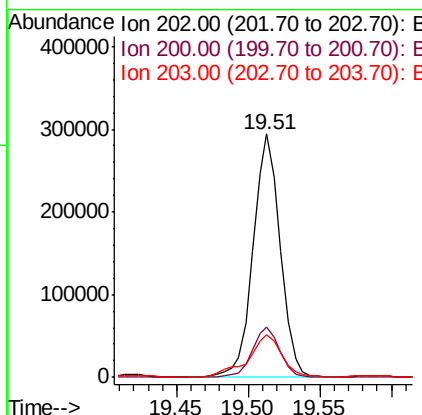
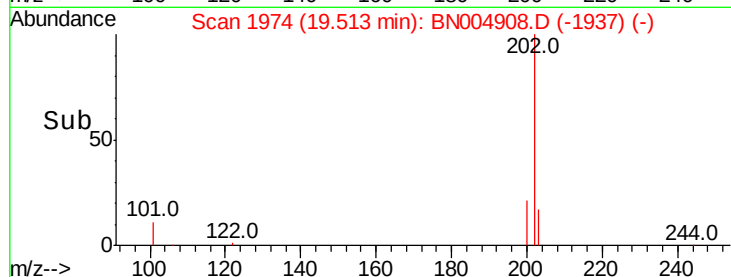
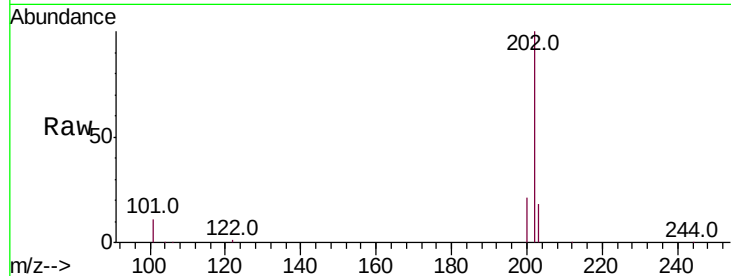
#28
Pvrene
Concen: 4.985 ng
RT: 19.51 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BN004908.D
Acq: 23 Mar 2019 05:02

Instrument :
BNA_N
ClientSampleId :
EXT-027-SW016-030719

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.7	16.3	24.5
203	21.4	14.0	21.0#

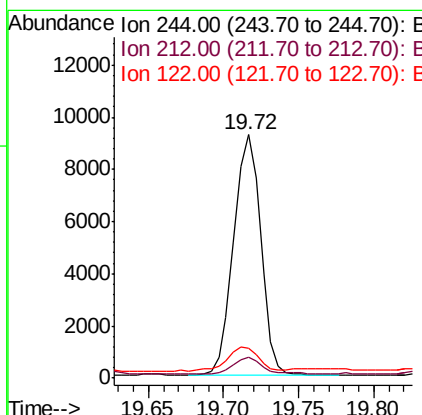
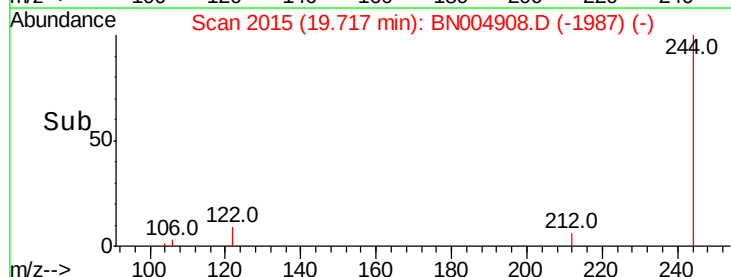
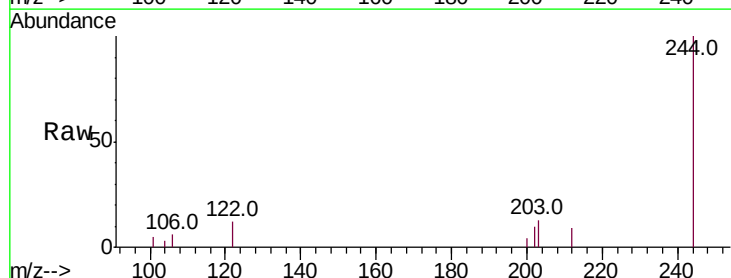
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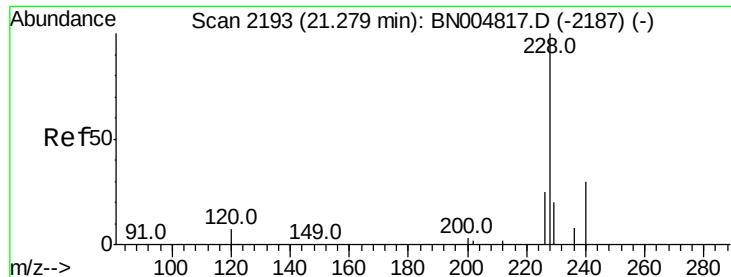
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#29
Terphenyl-d14
Concen: 0.221 ng
RT: 19.72 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BN004908.D
Acq: 23 Mar 2019 05:02

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	8.5	5.8	8.6
122	12.4	7.9	11.9#





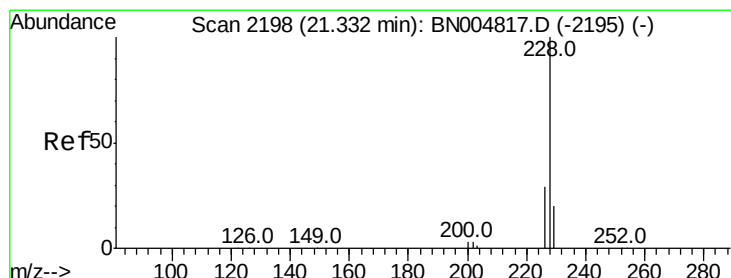
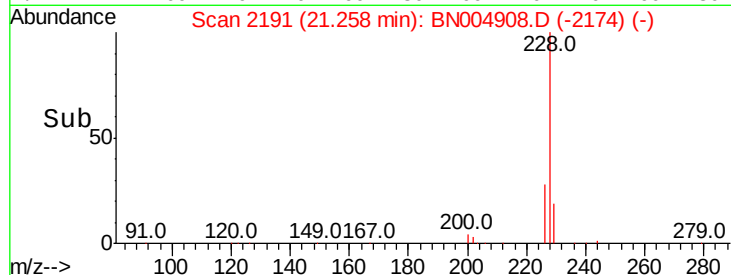
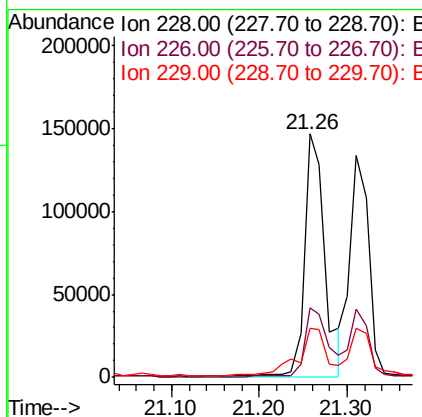
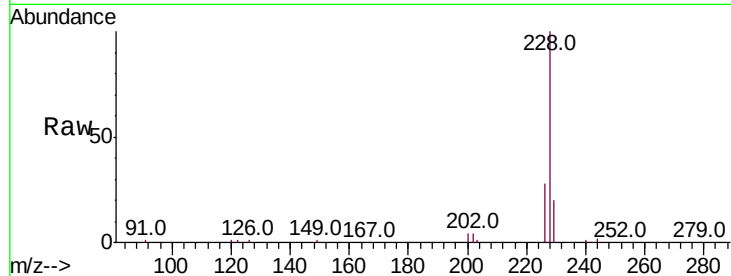
#30
Benzo(a)anthracene
Concen: 2.784 ng
RT: 21.26 min Scan# 2191
Delta R.T. -0.02 min
Lab File: BN004908.D
Acq: 23 Mar 2019 05:02

Instrument :
BNA_N
ClientSampleId :
EXT-027-SW016-030719

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	20.6	31.0
229	20.4	16.2	24.4

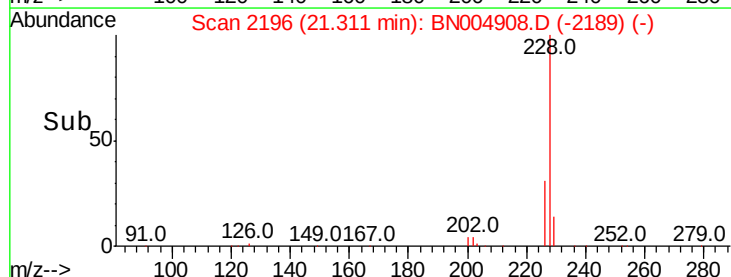
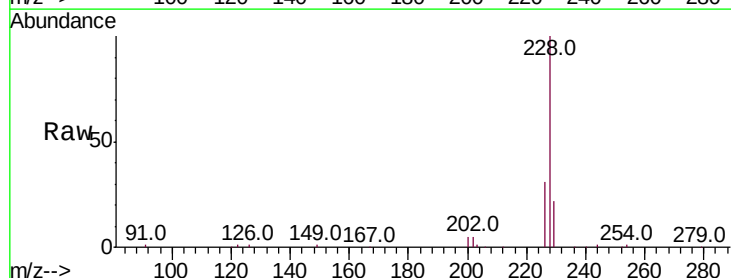
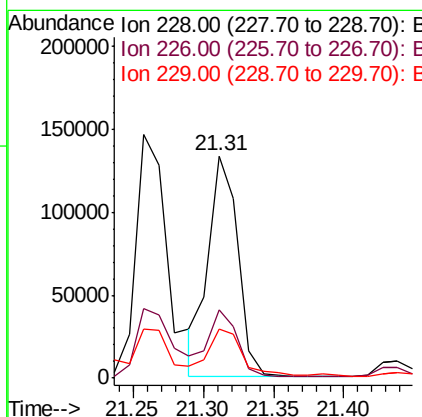
Manual Integrations
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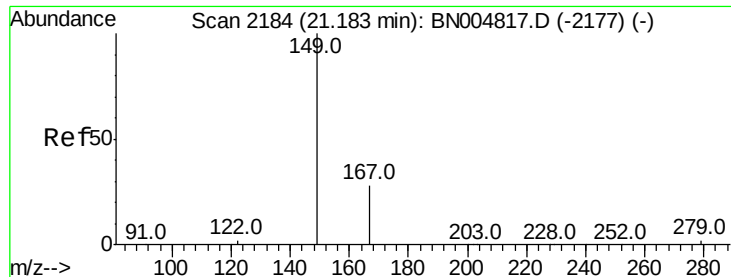
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#31
Chrysene
Concen: 2.230 ng
RT: 21.31 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BN004908.D
Acq: 23 Mar 2019 05:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.0	34.6
229	21.9	16.2	24.2





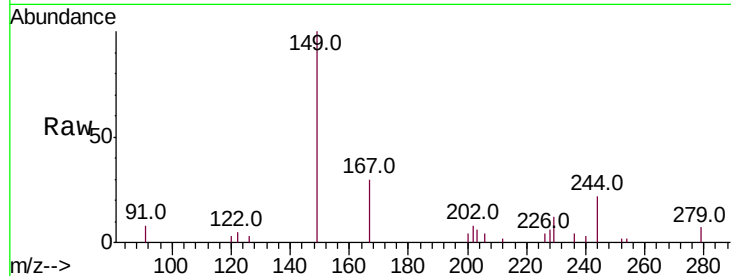
#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.534 ng
 RT: 21.18 min Scan# 2184
 Delta R.T. -0.00 min
 Lab File: BN004908.D
 Acq: 23 Mar 2019 05:02

Instrument :
 BNA_N
 ClientSampleId :
 EXT-027-SW016-030719

Tot Ion	Ratio	Lower	Upper
149	100		
167	28.1	23.0	34.4
279	5.2	4.6	6.8

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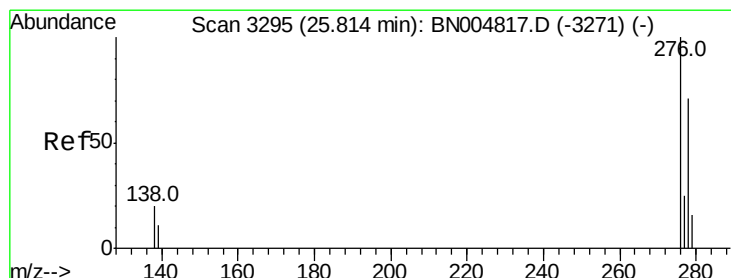
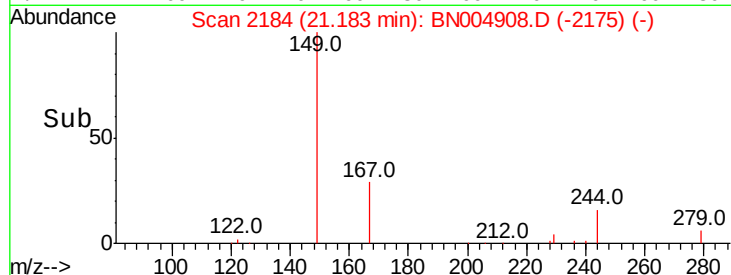
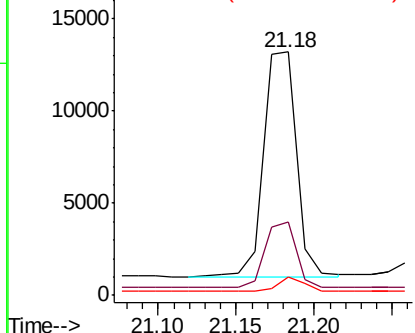


Abundance

Ion 149.00 (148.70 to 149.70): E

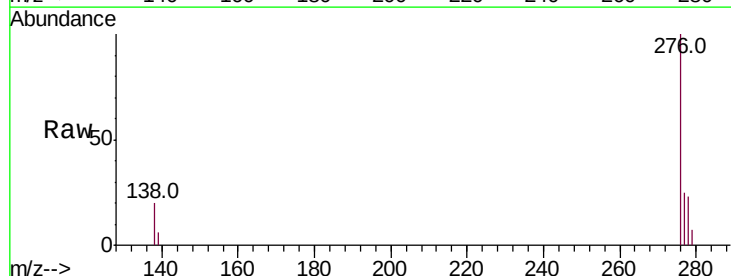
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.835 ng
 RT: 25.79 min Scan# 3288
 Delta R.T. -0.02 min
 Lab File: BN004908.D
 Acq: 23 Mar 2019 05:02

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.4	16.6	24.8
277	25.1	20.3	30.5

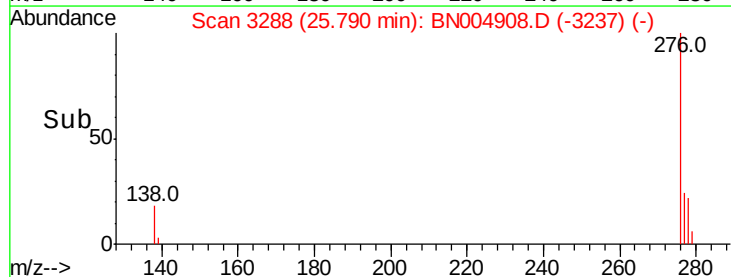
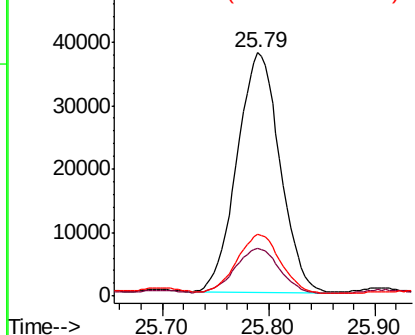


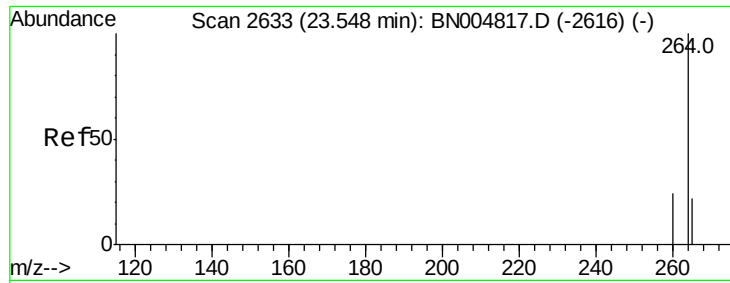
Abundance

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





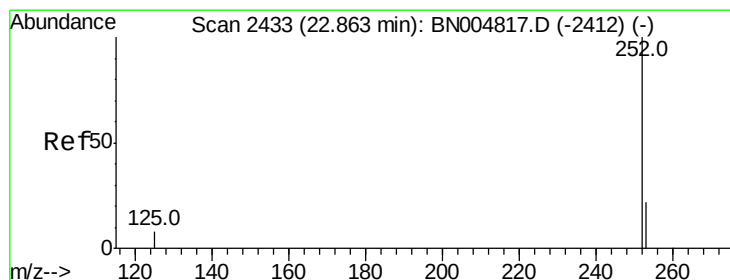
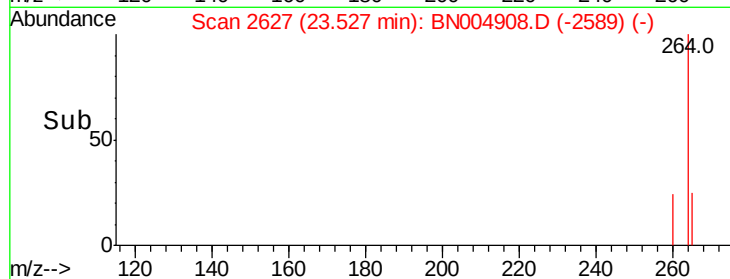
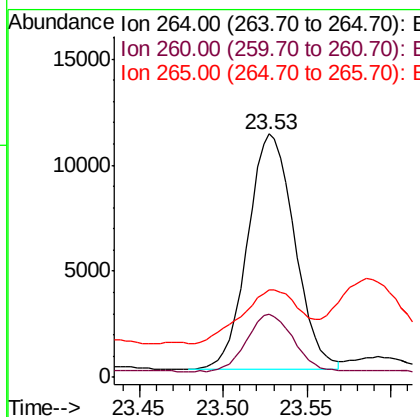
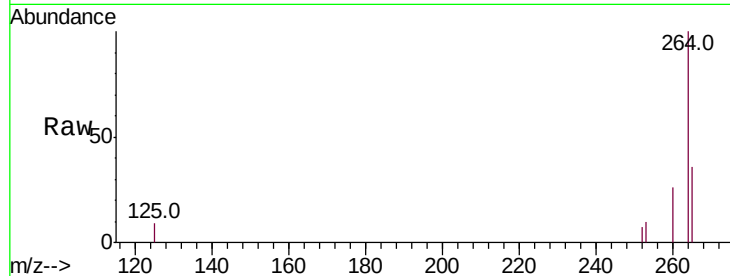
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.53 min Scan# 2627
Delta R.T. -0.02 min
Lab File: BN004908.D
Acq: 23 Mar 2019 05:02

Instrument :
BNA_N
ClientSampleId :
EXT-027-SW016-030719

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.9	19.5	29.3
265	35.8	23.1	34.7

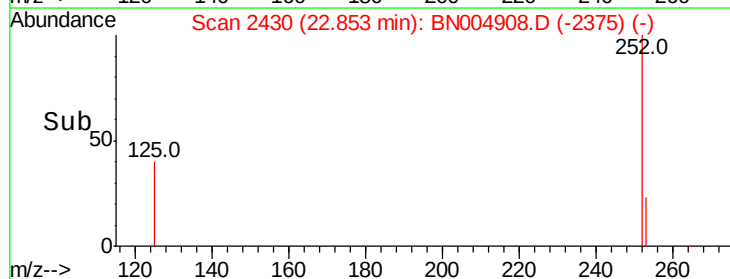
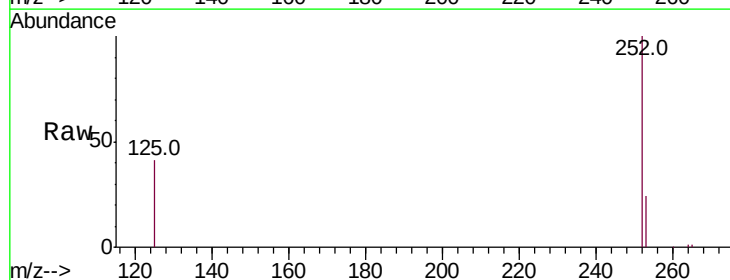
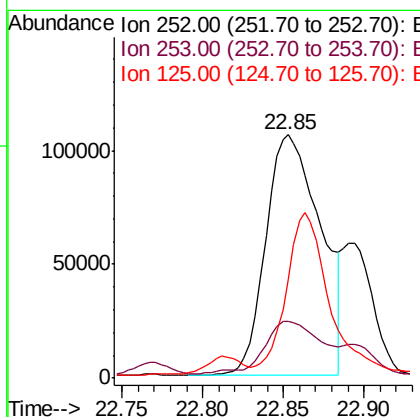
Manual Integrations
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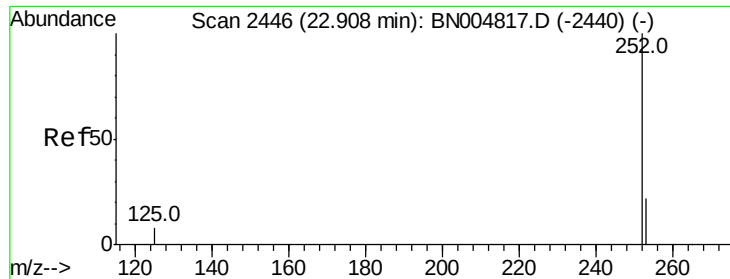
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#35
Benzo(b)fluoranthene
Concen: 3.187 ng
RT: 22.85 min Scan# 2430
Delta R.T. -0.01 min
Lab File: BN004908.D
Acq: 23 Mar 2019 05:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	19.0	28.4
125	40.9	7.4	11.2





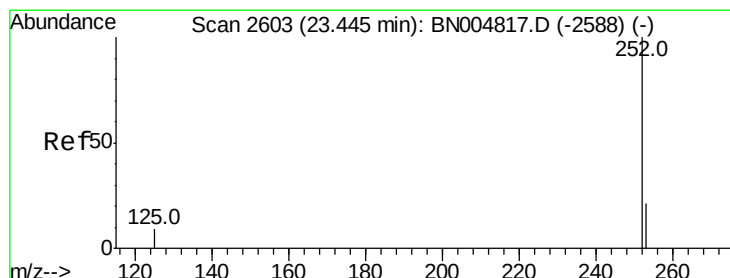
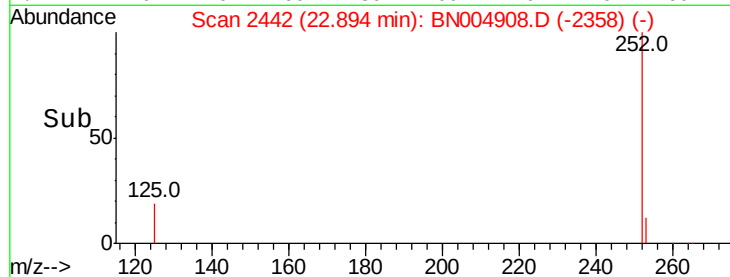
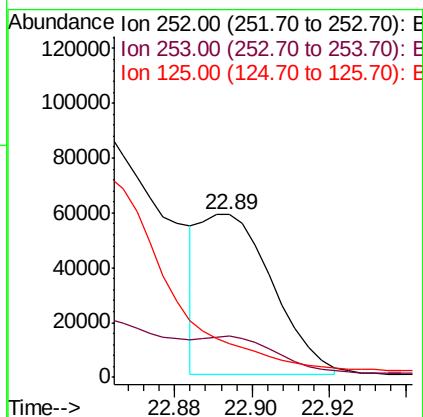
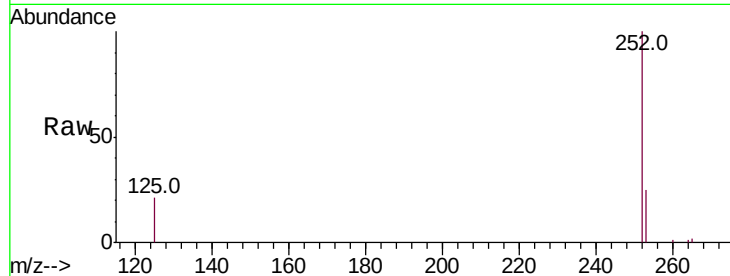
#36
Benzo(k)fluoranthene
Concen: 0.984 ng/mL
RT: 22.89 min Scan# 2442
Delta R.T. -0.01 min
Lab File: BN004908.D
Acq: 23 Mar 2019 05:02

Instrument :
BNA_N
ClientSampleId :
EXT-027-SW016-030719

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.1	19.3	28.9
125	20.7	7.4	11.0

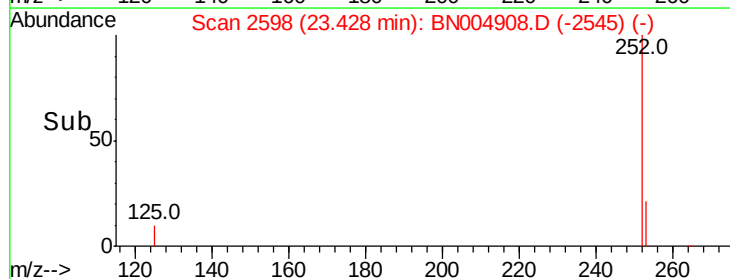
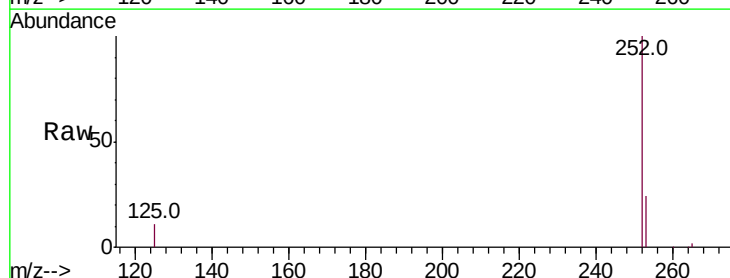
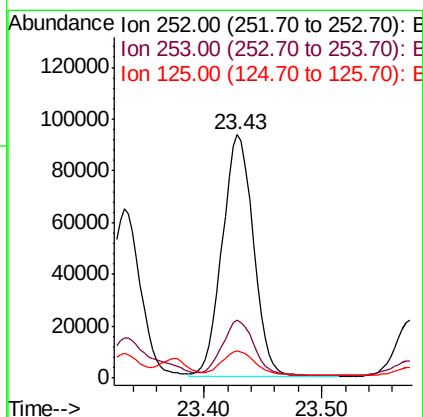
Manual Integrations
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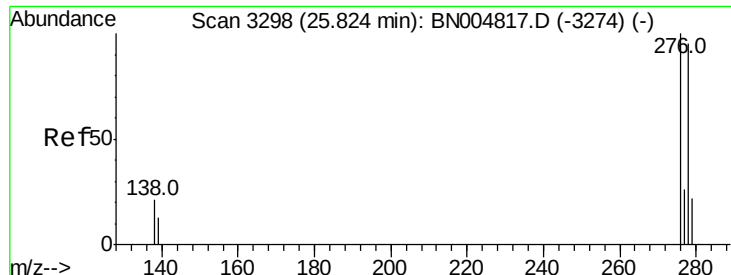
Sohil
3/25/2019 8:56:52 AM



#37
Benzo(a)pyrene
Concen: 2.366 ng/mL
RT: 23.43 min Scan# 2598
Delta R.T. -0.02 min
Lab File: BN004908.D
Acq: 23 Mar 2019 05:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.7	29.5
125	11.2	8.3	12.5





#38

Dibenzo(a,h)anthracene

Concen: 0.349 ng

RT: 25.80 min Scan# 3290

Delta R.T. -0.03 min

Lab File: BN004908.D

Acq: 23 Mar 2019 05:02

Instrument :

BNA_N

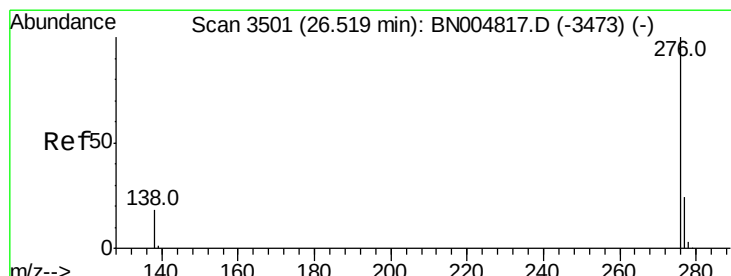
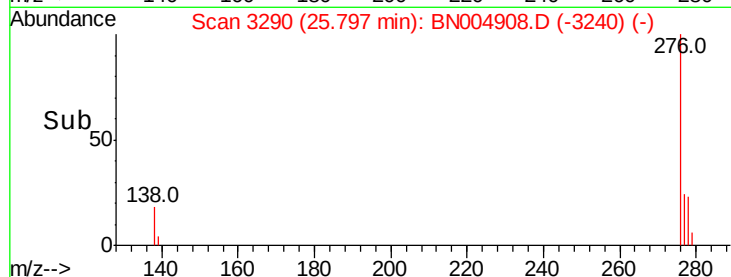
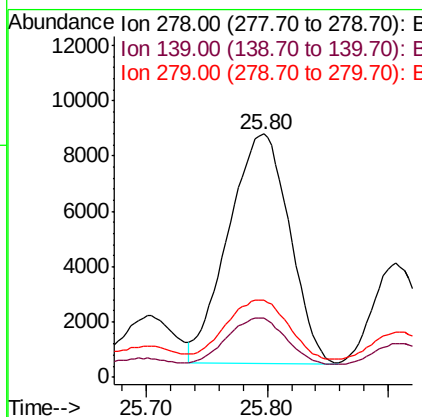
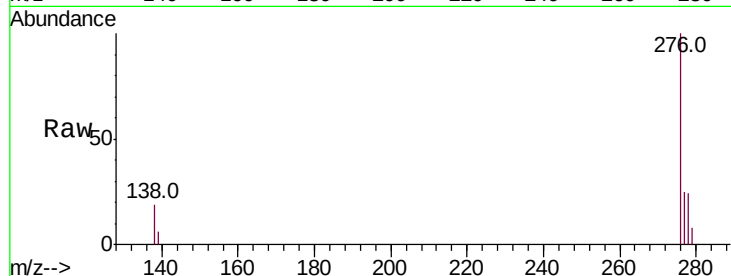
ClientSampleId :

EXT-027-SW016-030719

Tot Ion:	278	Resp:	29085
Ion Ratio	Lower	Upper	
278	100		
139	24.4	11.7	17.5#
279	31.9	19.9	29.9#

Manual Integrations
APPROVED

Sohil
3/25/2019 8:56:52 AM



#39

Benzo(g,h,i)perylene

Concen: 1.184 ng

RT: 26.49 min Scan# 3492

Delta R.T. -0.03 min

Lab File: BN004908.D

Acq: 23 Mar 2019 05:02

Tgt Ion:	276	Resp:	100589
Ion Ratio	Lower	Upper	
276	100		
277	24.6	19.7	29.5
138	20.1	14.6	22.0

