

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
 Data File : BN004862.D
 Acq On : 21 Mar 2019 22:20
 Operator : JU/SJ
 Sample : K1817-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-028-SW011-030619

Manual Integrations
 APPROVED

Sohil
 3/22/2019 7:16:26 PM

Quant Time: Mar 22 02:44:49 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	7.70	152	1806	0.40	ng	0.00
7) Naphthalene-d8	10.49	136	8230	0.40	ng	0.00
13) Acenaphthene-d10	14.34	164	5431	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	14498	0.40	ng	0.00
27) Chrysene-d12	21.29	240	19829	0.40	ng	0.00
34) Perylene-d12	23.54	264	21966	0.40	ng	0.00

System Monitoring Compounds

4) 2-Fluorophenol	5.29	112	1771	0.36	ng	0.00
5) Phenol-d6	6.87	99	2313	0.38	ng	0.00
8) Nitrobenzene-d5	8.87	82	1621	0.30	ng	0.00
11) 2-Methylnaphthalene-d10	12.08	152	4439	0.31	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	1236	0.33	ng	0.00
15) 2-Fluorobiphenyl	12.96	172	6979	0.31	ng	0.00
25) Fluoranthene-d10	19.13	212	14087	0.29	ng	0.00
29) Terphenyl-d14	19.73	244	11770	0.29	ng	0.00

Target Compounds

						Qvalue
23) Phenanthrene	17.13	178	2448	0.052	ng	97
26) Fluoranthene	19.16	202	5567	0.093	ng	# 96
28) Pyrene	19.53	202	5973	0.099	ng	97
30) Benzo(a)anthracene	21.28	228	2996	0.046	ng	# 90
31) Chrysene	21.33	228	3584	0.052	ng	# 93
32) Bis(2-ethylhexyl)phthalate	21.18	149	1932	0.074	ng	97
33) Indeno(1,2,3-cd)pyrene	25.82	276	2549	0.026	ng	96
35) Benzo(b)fluoranthene	22.87	252	4198	0.053	ng	# 59
36) Benzo(k)fluoranthene	22.91	252	1808m	0.023	ng	
37) Benzo(a)pyrene	23.45	252	3217	0.044	ng	# 62
39) Benzo(a,h,i)perylene	26.53	276	2685	0.031	ng	# 84

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

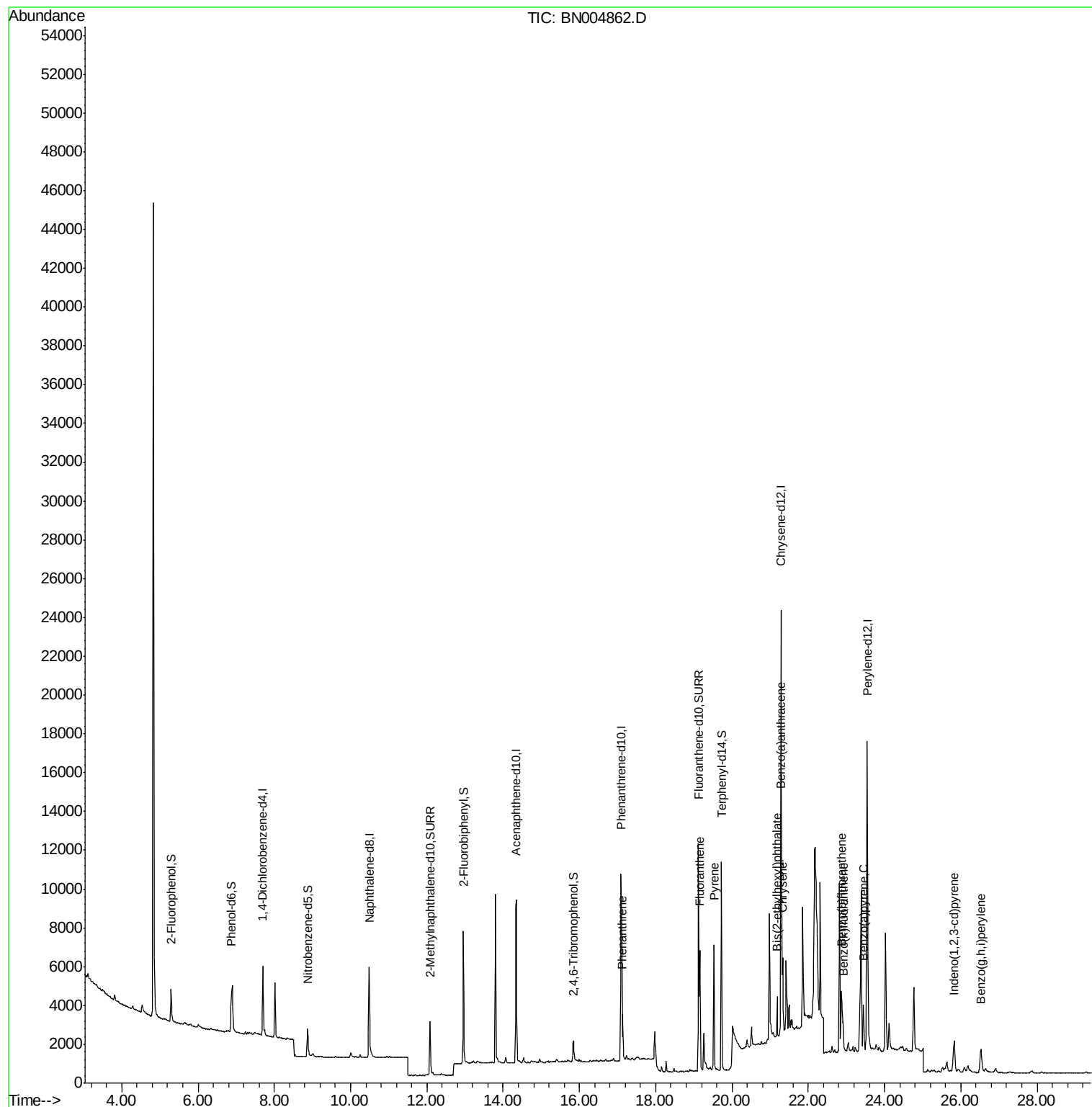
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
Data File : BN004862.D
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Sample : K1817-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

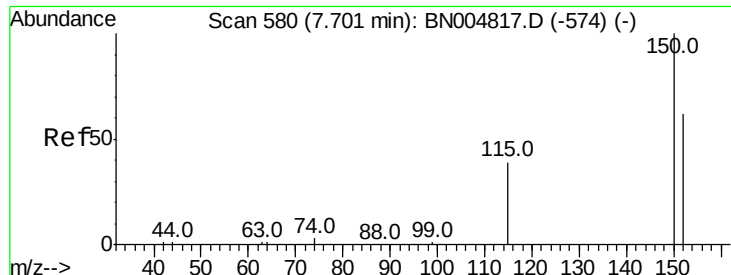
Instrument :
BNA_N
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PST-028-SW011-030619

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#1

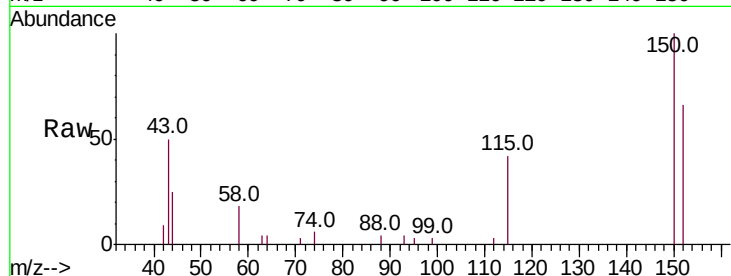
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.70 min Scan# 580
Delta R.T. 0.00 min
Lab File: BN004862.D
Acq: 21 Mar 2019 22:20

Instrument :
BNA_N
ClientSampleId :
PST-028-SW011-030619

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.0	126.2	189.4
115	63.2	52.6	79.0

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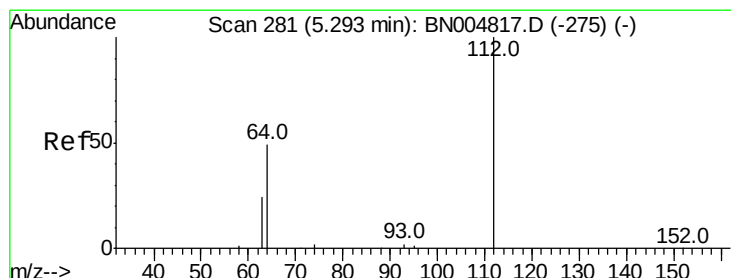
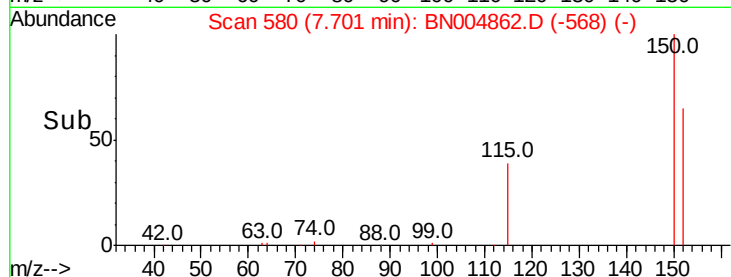
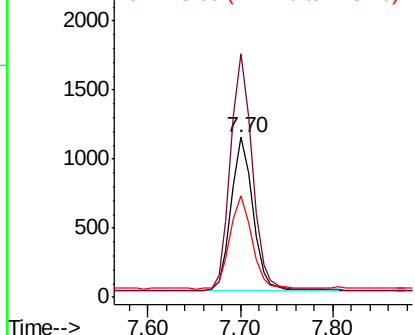


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

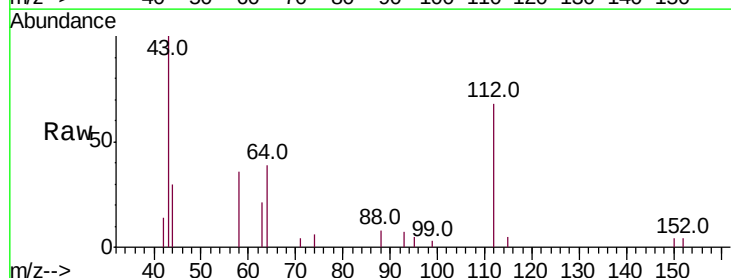
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.361 ng
RT: 5.29 min Scan# 281
Delta R.T. 0.00 min
Lab File: BN004862.D
Acq: 21 Mar 2019 22:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.1	40.0	60.0
63	25.4	20.2	30.2

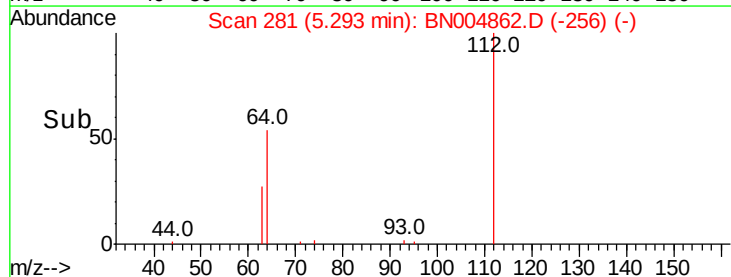
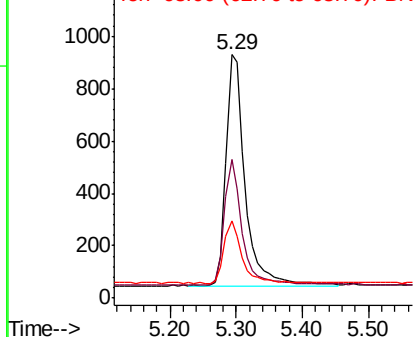


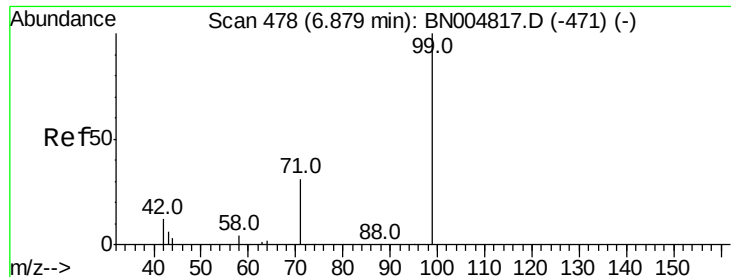
Abundance

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: 0.378 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN004862.D

Acq: 21 Mar 2019 22:20

Instrument :

BNA_N

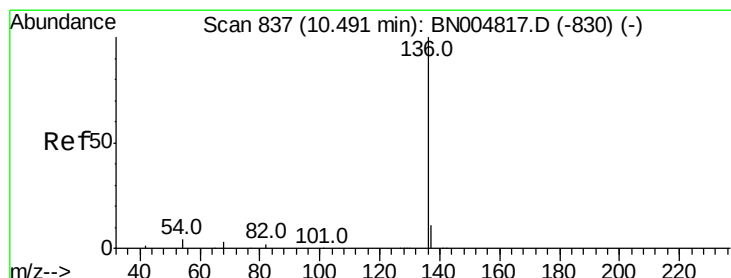
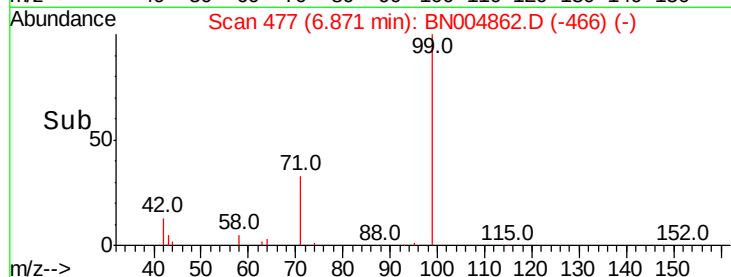
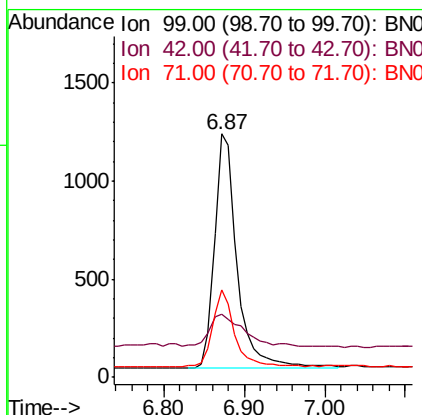
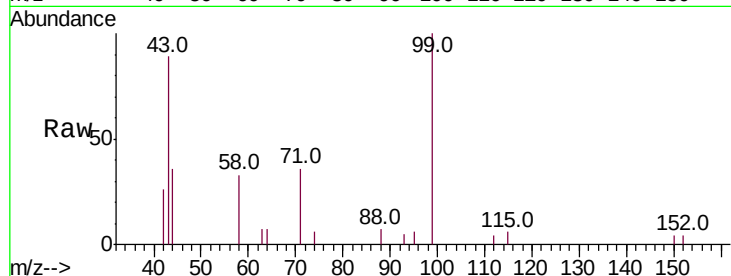
ClientSampleId :

PST-028-SW011-030619

Tot Ion:	99	Resp:	2313
Ion	Ratio	Lower	Upper
99	100		
42	21.1	12.7	19.1#
71	31.1	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

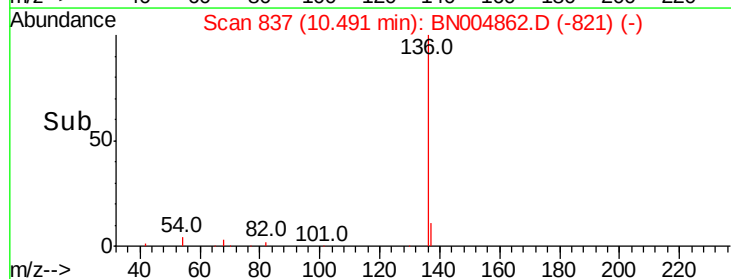
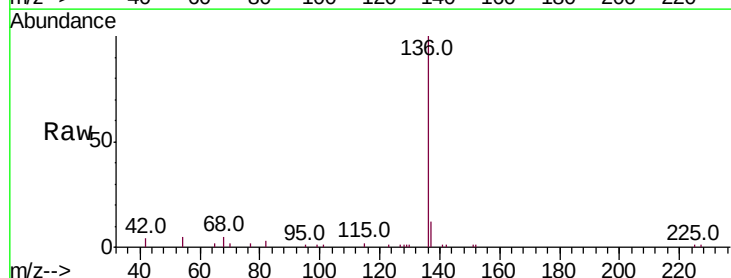
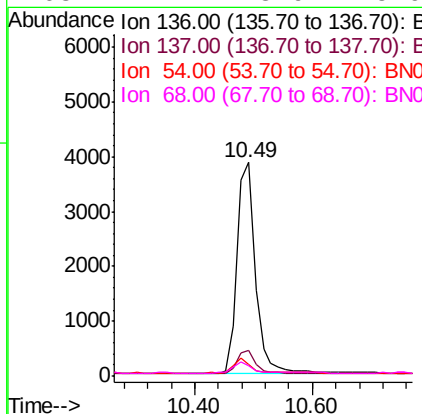
RT: 10.49 min Scan# 837

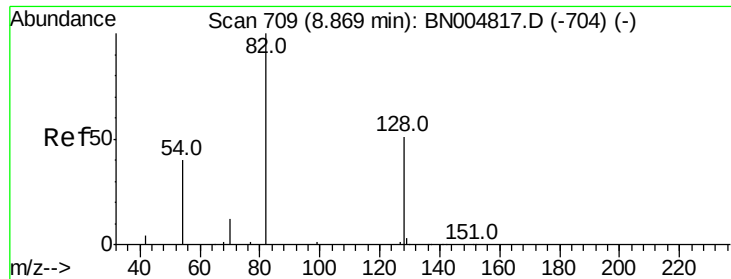
Delta R.T. 0.00 min

Lab File: BN004862.D

Acq: 21 Mar 2019 22:20

Tgt Ion:	136	Resp:	8230
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.6	14.4
54	5.2	4.2	6.2
68	4.7	3.9	5.9





#8

Nitrobenzene-d5

Concen: 0.298 ng

RT: 8.87 min Scan# 709

Delta R.T. 0.00 min

Lab File: BN004862.D

Acq: 21 Mar 2019 22:20

Instrument :

BNA_N

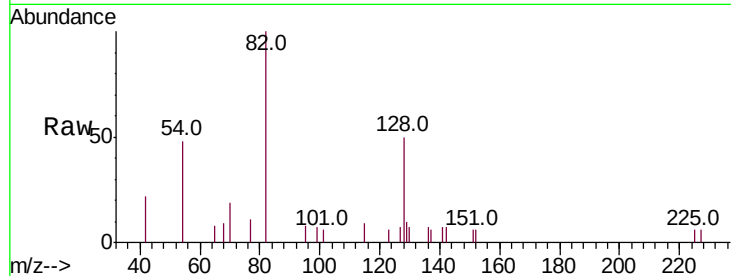
ClientSampleId :

PST-028-SW011-030619

Tot Ion:	82	Resp:	1621
Ion Ratio	Lower	Upper	
82	100		
128	49.7	43.0	64.6
54	47.8	35.3	52.9

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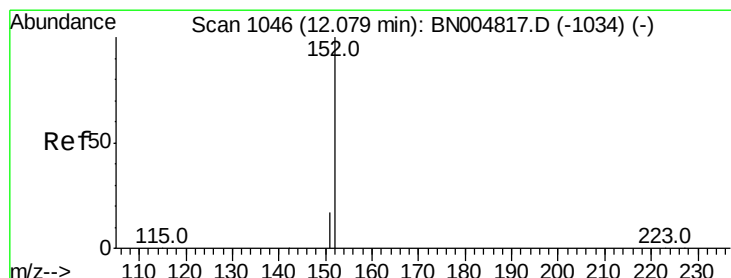
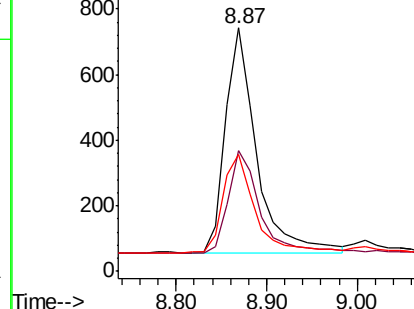
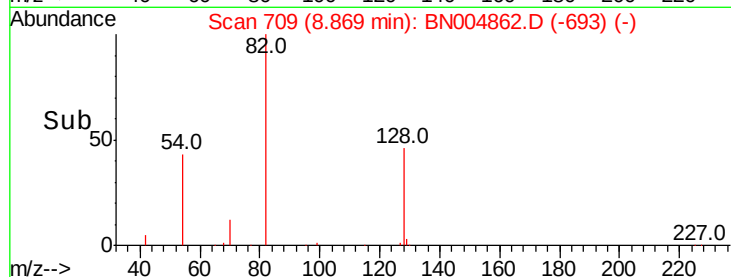


Abundance Ion 82.00 (81.70 to 82.70): BN004862.D (-693) (-)

Ion 128.00 (127.70 to 128.70): BN004862.D (-693) (-)

Ion 54.00 (53.70 to 54.70): BN004862.D (-693) (-)

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.309 ng

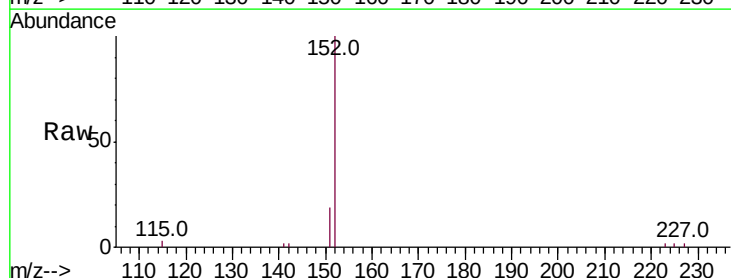
RT: 12.08 min Scan# 1047

Delta R.T. 0.00 min

Lab File: BN004862.D

Acq: 21 Mar 2019 22:20

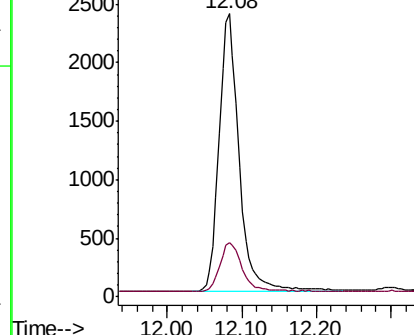
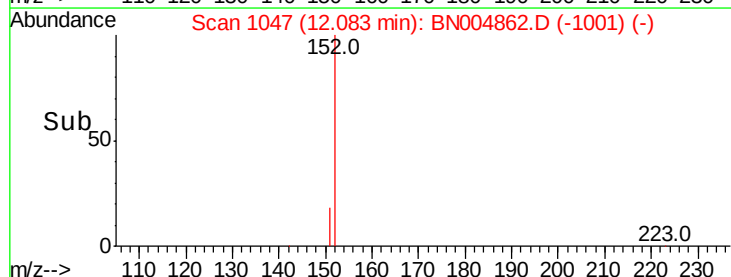
Tgt Ion:	152	Resp:	4439
Ion Ratio	Lower	Upper	
152	100		
151	19.3	15.5	23.3

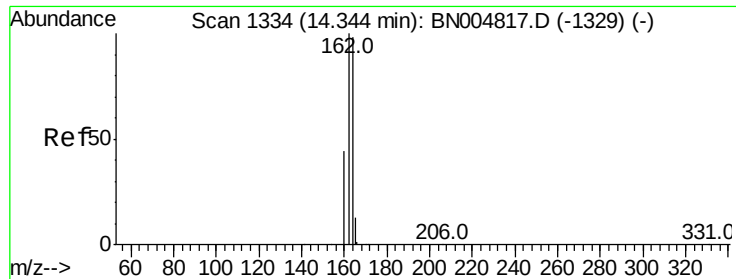


Abundance Ion 152.00 (151.70 to 152.70): BN004862.D (-1001) (-)

Ion 151.00 (150.70 to 151.70): BN004862.D (-1001) (-)

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.34 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BN004862.D

Acq: 21 Mar 2019 22:20

Instrument :

BNA_N

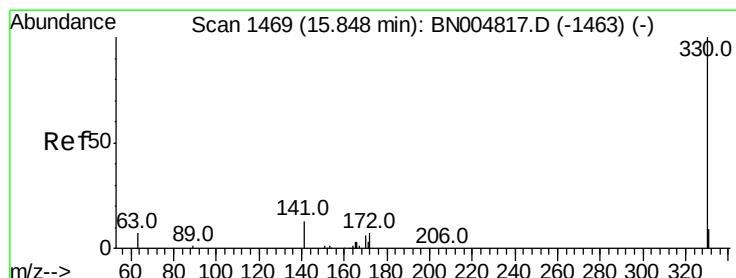
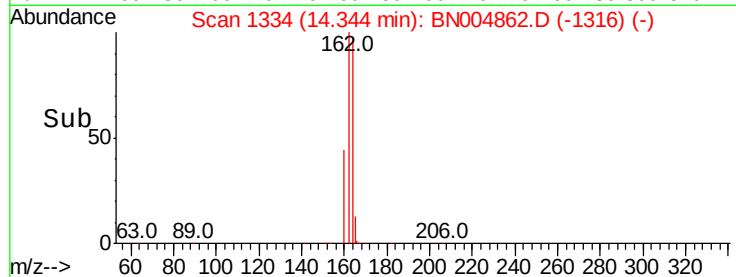
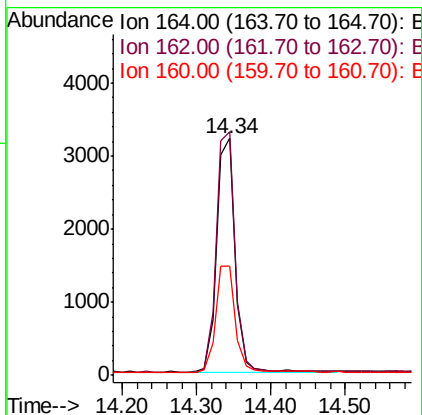
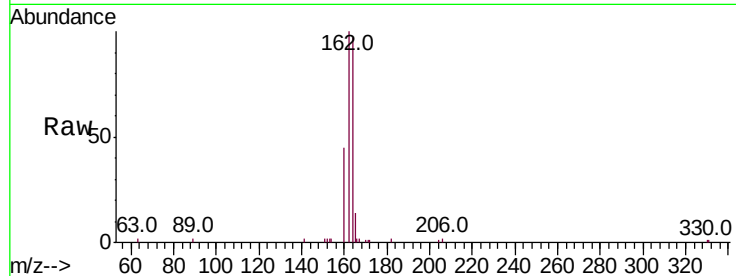
ClientSampleId :

PST-028-SW011-030619

Tot Ion:	164	Resp:	5431
Ion Ratio	Lower	Upper	
164	100		
162	102.8	81.9	122.9
160	46.2	36.6	54.8

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#14

2,4,6-Tribromophenol

Concen: 0.330 ng

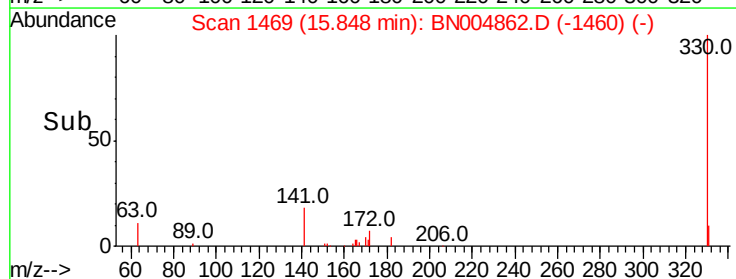
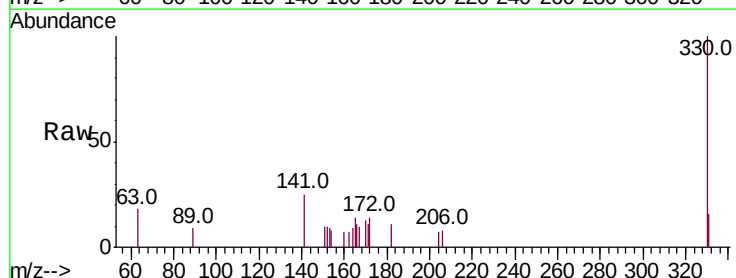
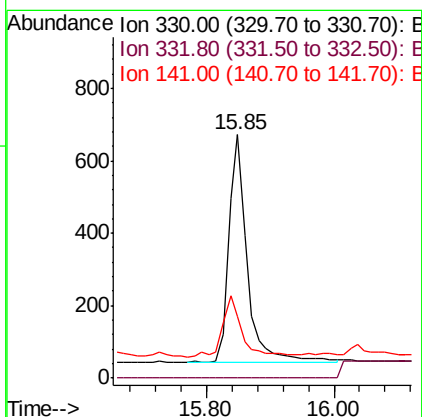
RT: 15.85 min Scan# 1469

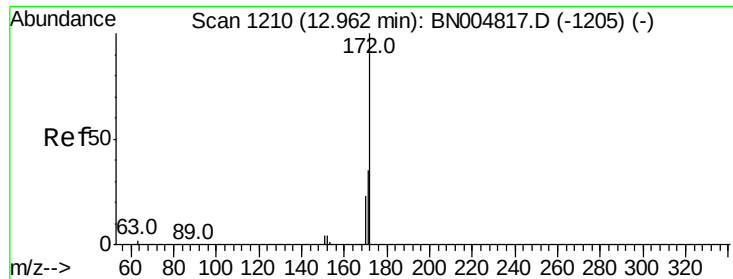
Delta R.T. 0.00 min

Lab File: BN004862.D

Acq: 21 Mar 2019 22:20

Tgt Ion:	330	Resp:	1236
Ion Ratio	Lower	Upper	
330	100		
332	0.0	0.0	0.0
141	29.6	20.9	31.3





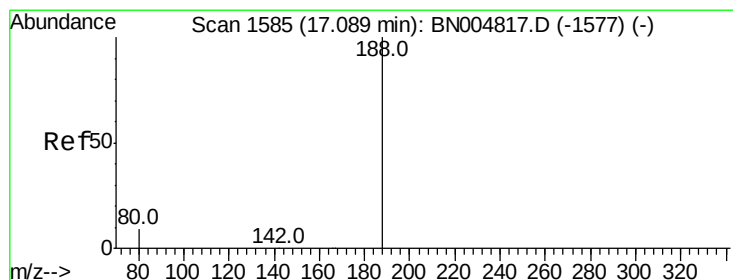
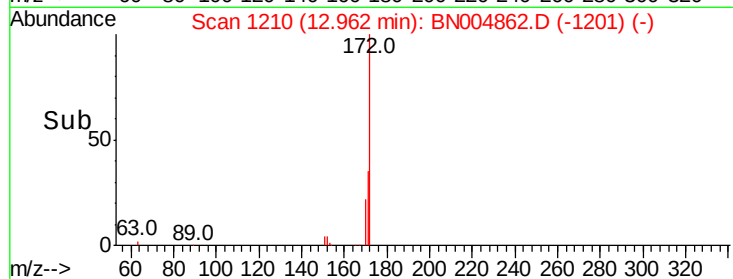
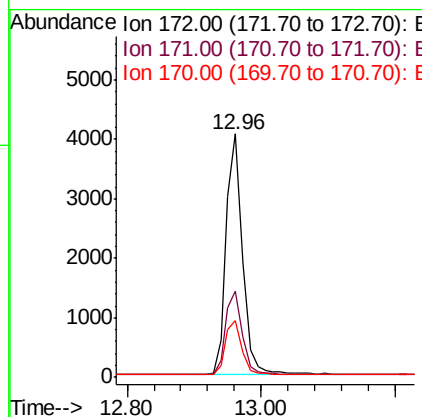
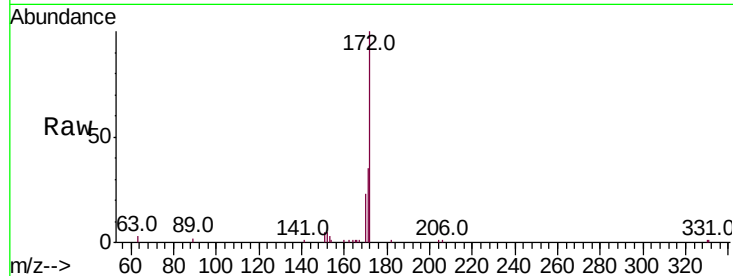
#15
2-Fluorobiphenyl
Concen: 0.311 ng
RT: 12.96 min Scan# 1210
Delta R.T. 0.00 min
Lab File: BN004862.D
Acq: 21 Mar 2019 22:20

Instrument :
BNA_N
ClientSampleId :
PST-028-SW011-030619

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.7	43.1
170	23.0	18.7	28.1

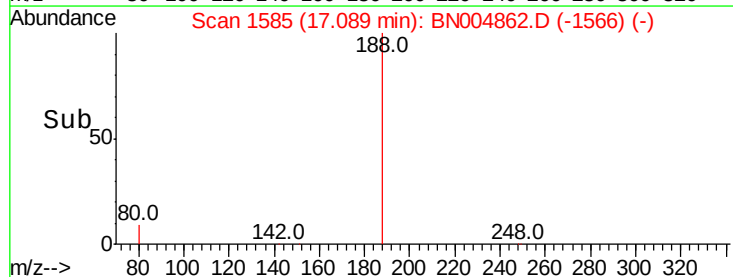
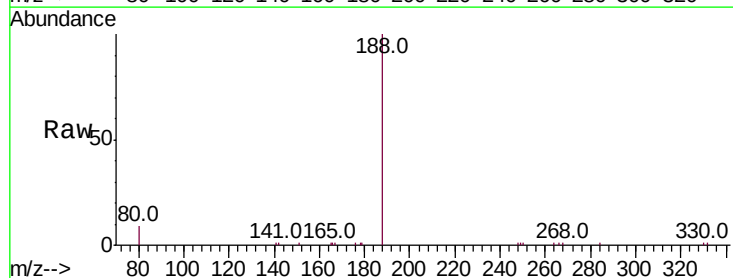
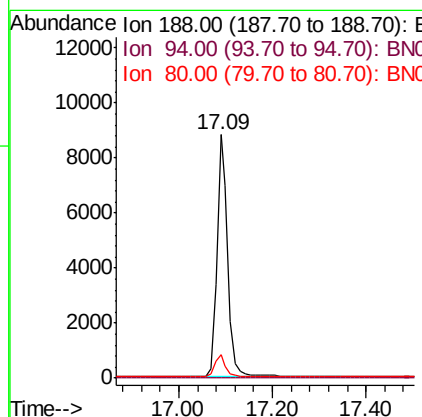
Manual Integrations
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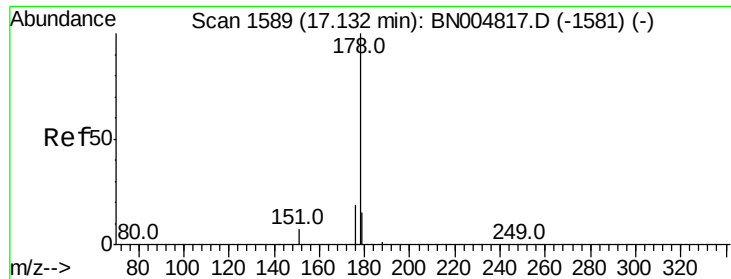
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#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.09 min Scan# 1585
Delta R.T. 0.00 min
Lab File: BN004862.D
Acq: 21 Mar 2019 22:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.5	7.4	11.2





#23

Phenanthrene

Concen: 0.052 ng

RT: 17.13 min Scan# 1589

Delta R.T. 0.00 min

Lab File: BN004862.D

Acq: 21 Mar 2019 22:20

Instrument :

BNA_N

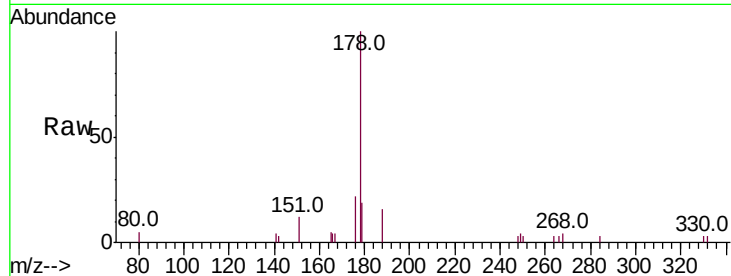
ClientSampleId :

PST-028-SW011-030619

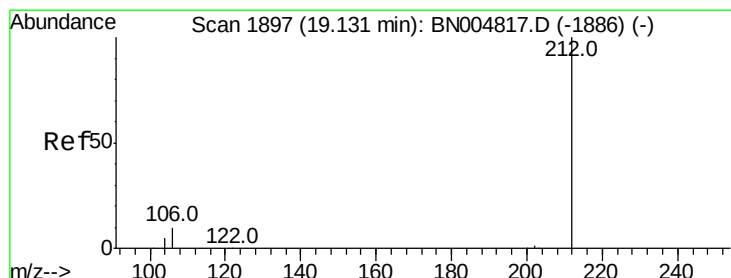
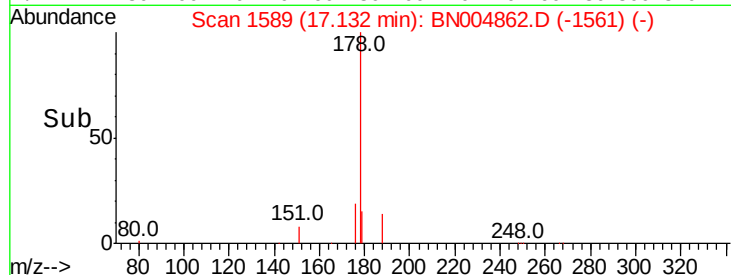
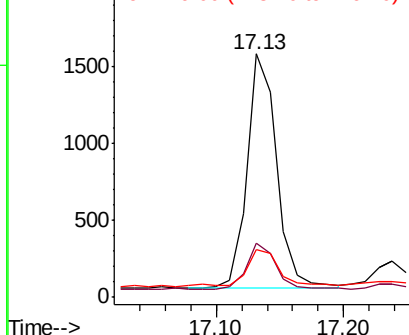
Tot Ion:	178	Resp:	2448
Ion Ratio	Lower	Upper	
178	100		
176	19.1	14.9	22.3
179	17.6	12.1	18.1

Manual Integrations
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#25

Fluoranthene-d10

Concen: 0.290 ng

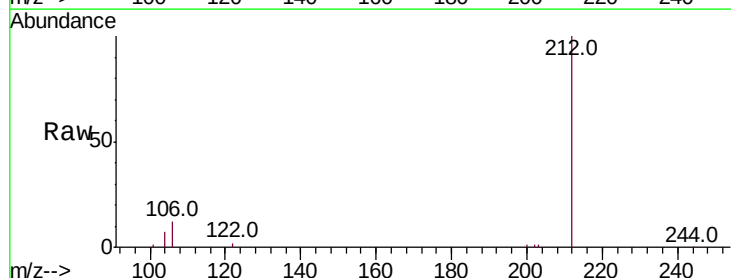
RT: 19.13 min Scan# 1896

Delta R.T. -0.00 min

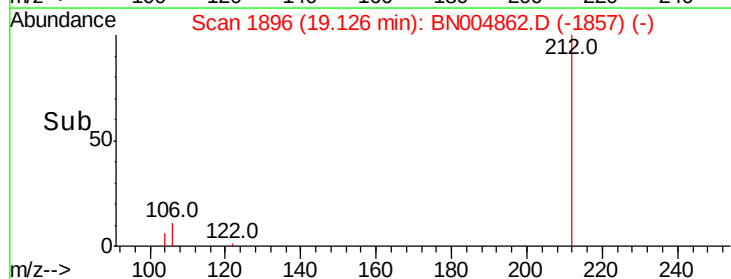
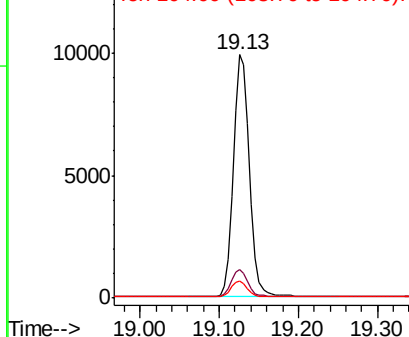
Lab File: BN004862.D

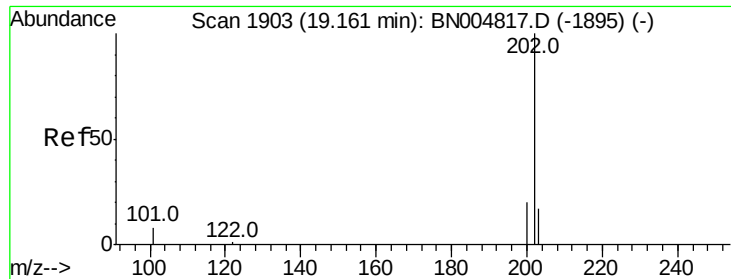
Acq: 21 Mar 2019 22:20

Tgt Ion:	212	Resp:	14087
Ion Ratio	Lower	Upper	
212	100		
106	11.4	8.6	13.0
104	6.4	4.7	7.1



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





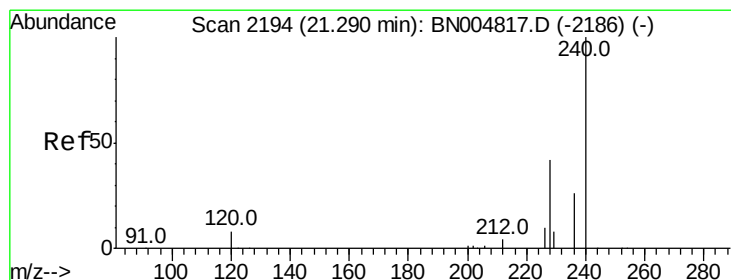
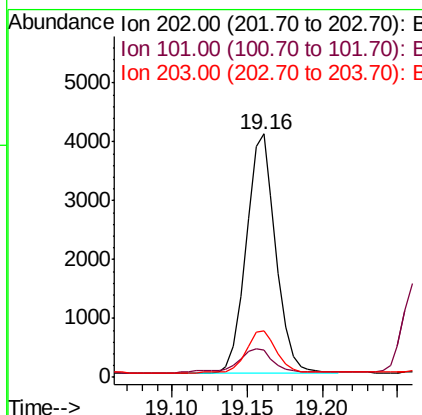
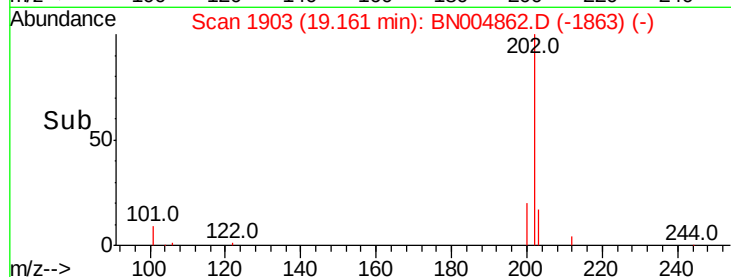
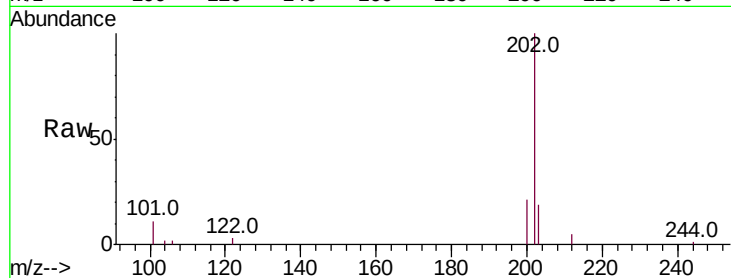
#26
 Fluoranthene
 Concen: 0.093 ng
 RT: 19.16 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: BN004862.D
 Acq: 21 Mar 2019 22:20

Instrument :
 BNA_N
 ClientSampleId :
 PST-028-SW011-030619

Tot Ion	Ratio	Lower	Upper
202	100		
101	12.5	7.5	11.3#
203	17.7	13.8	20.6

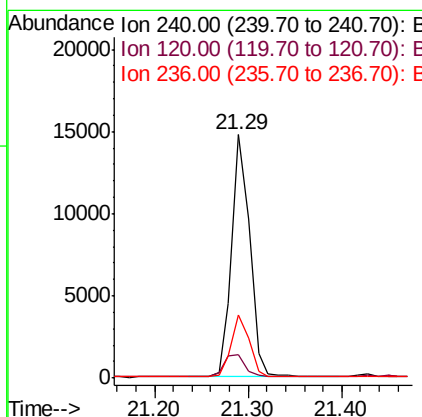
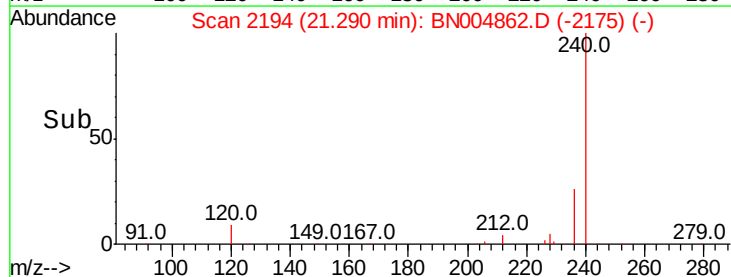
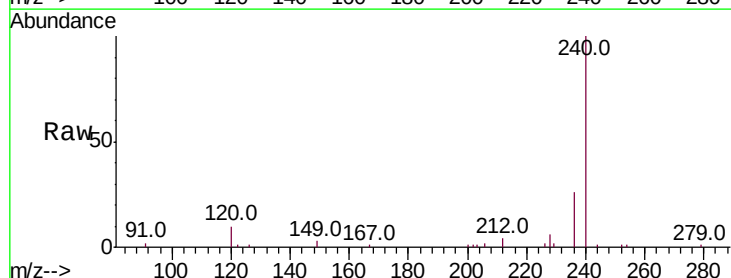
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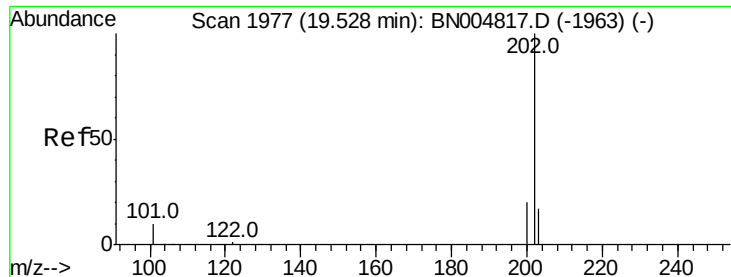
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#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.29 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: BN004862.D
 Acq: 21 Mar 2019 22:20

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.9	7.2	10.8
236	26.2	20.9	31.3





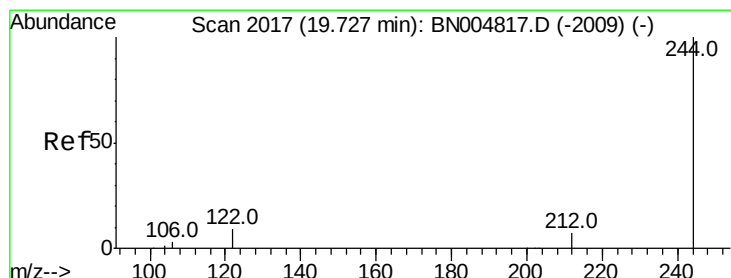
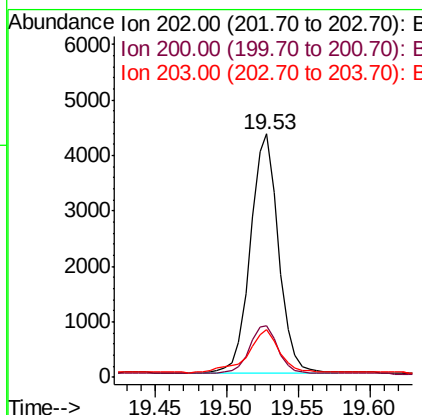
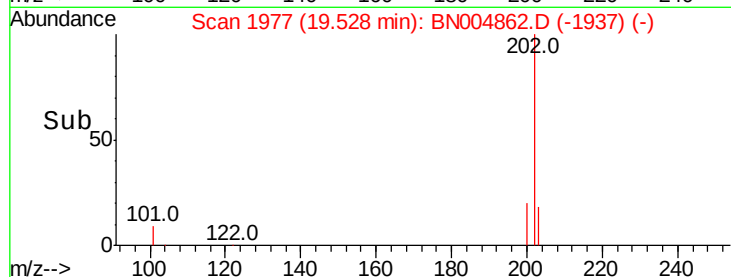
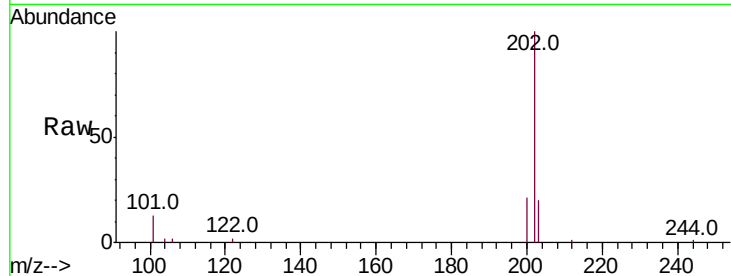
#28
Pvrene
Concen: 0.099 ng
RT: 19.53 min Scan# 1977
Delta R.T. 0.00 min
Lab File: BN004862.D
Acq: 21 Mar 2019 22:20

Instrument :
BNA_N
ClientSampleId :
PST-028-SW011-030619

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.3	24.5
203	20.2	14.0	21.0

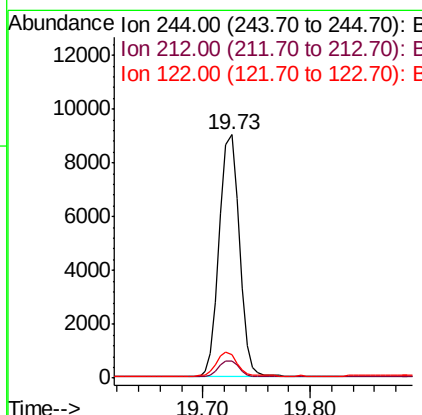
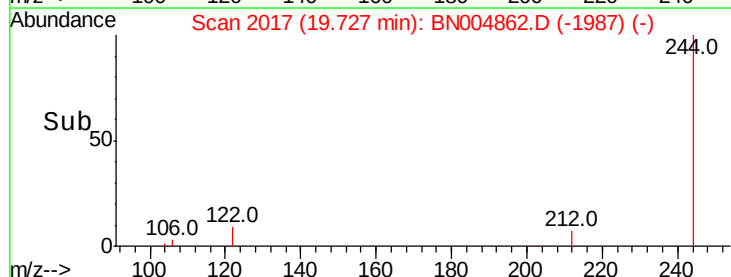
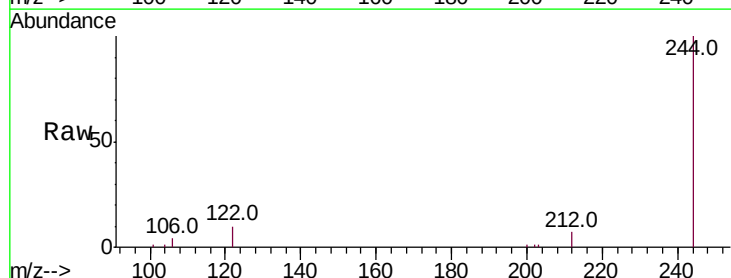
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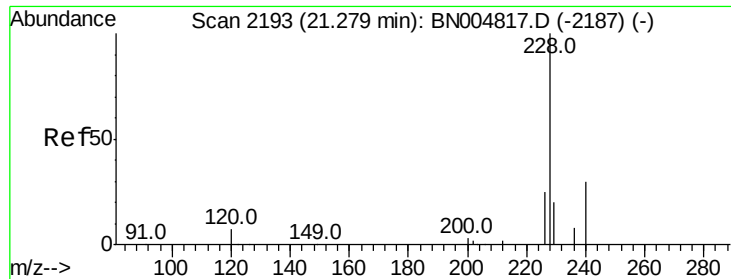
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#29
Terphenyl-d14
Concen: 0.290 ng
RT: 19.73 min Scan# 2017
Delta R.T. 0.00 min
Lab File: BN004862.D
Acq: 21 Mar 2019 22:20

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.6
122	9.6	7.9	11.9





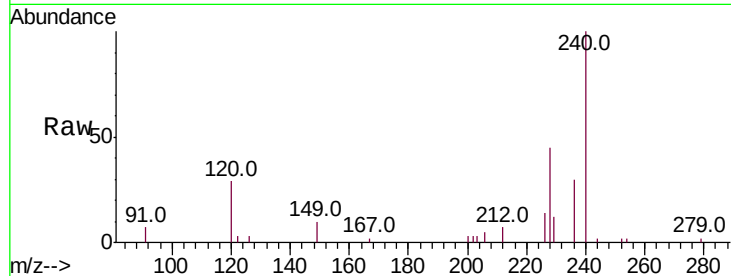
#30
Benzo(a)anthracene
Concen: 0.046 ng
RT: 21.28 min Scan# 2193
Delta R.T. 0.00 min
Lab File: BN004862.D
Acq: 21 Mar 2019 22:20

Instrument :
BNA_N
ClientSampleId :
PST-028-SW011-030619

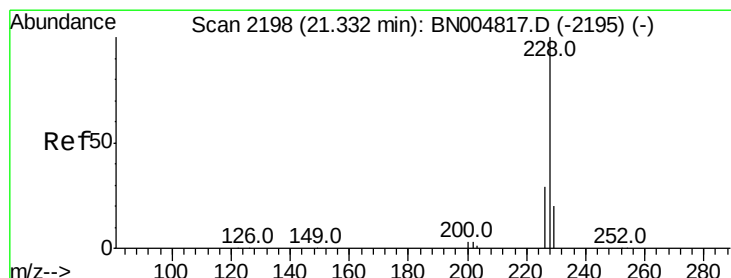
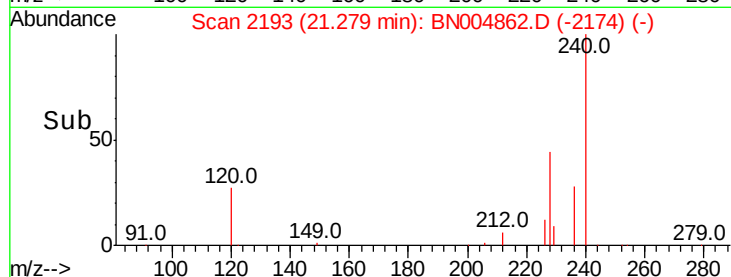
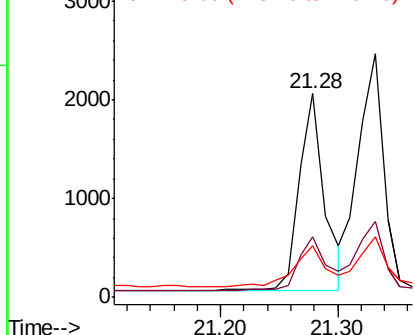
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	20.6	31.0
229	25.6	16.2	24.4

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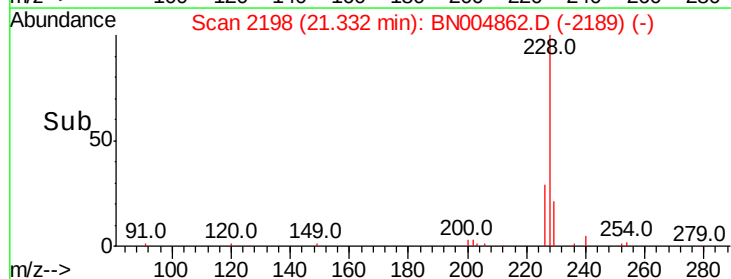
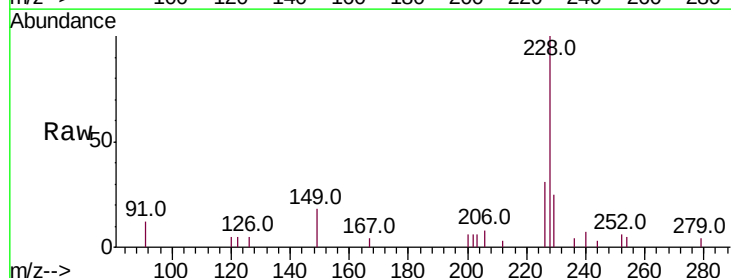
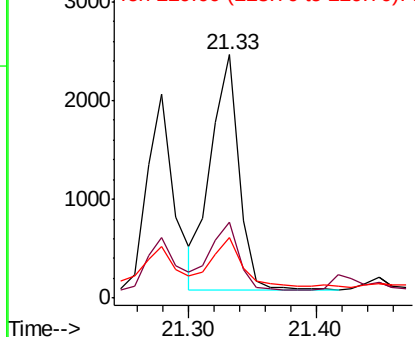
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

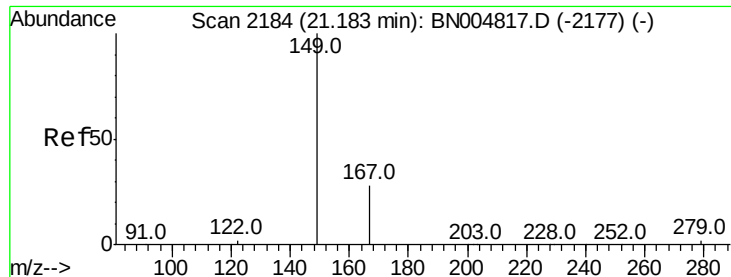


#31
Chrysene
Concen: 0.052 ng
RT: 21.33 min Scan# 2198
Delta R.T. 0.00 min
Lab File: BN004862.D
Acq: 21 Mar 2019 22:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	23.0	34.6
229	25.0	16.2	24.2

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.074 ng

RT: 21.18 min Scan# 2184

Delta R.T. 0.00 min

Lab File: BN004862.D

Acq: 21 Mar 2019 22:20

Instrument :

BNA_N

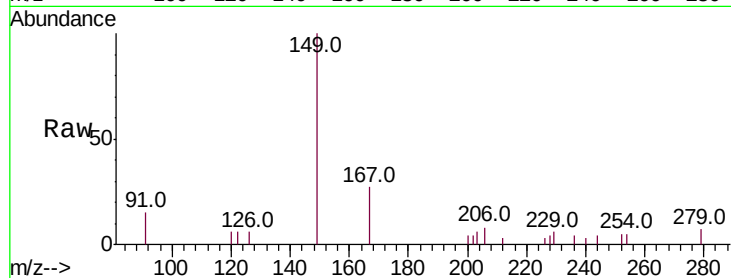
ClientSampleId :

PST-028-SW011-030619

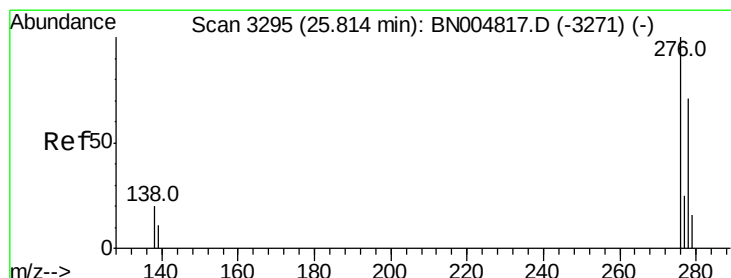
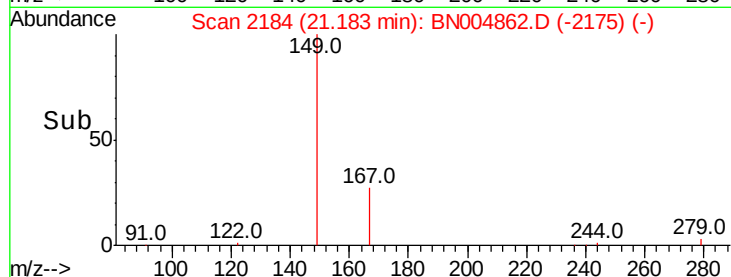
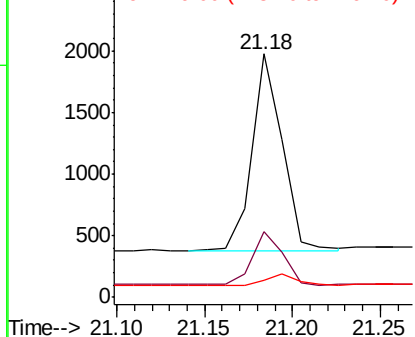
Tot Ion:	149	Resp:	1932
Ion Ratio	Lower	Upper	
149	100		
167	26.7	23.0	34.4
279	6.1	4.6	6.8

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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: 0.026 ng

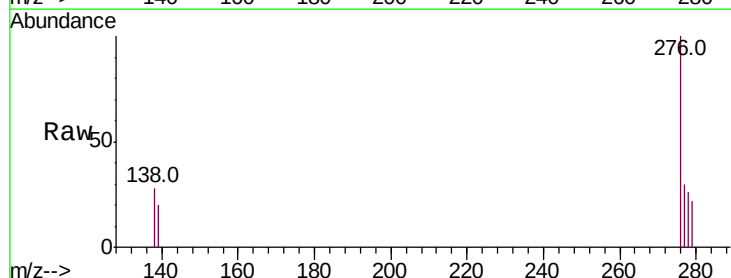
RT: 25.82 min Scan# 3298

Delta R.T. 0.01 min

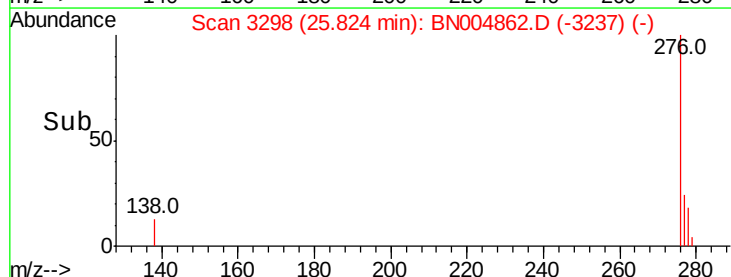
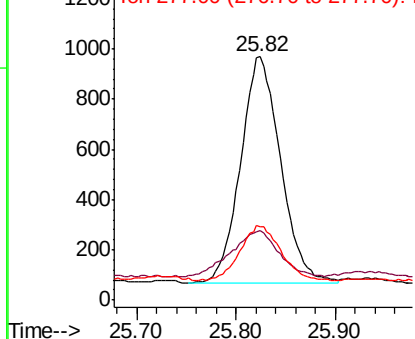
Lab File: BN004862.D

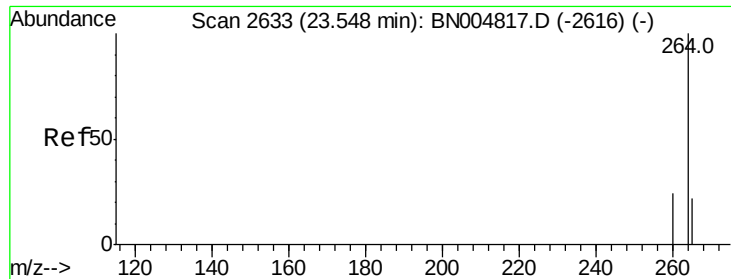
Acq: 21 Mar 2019 22:20

Tgt Ion:	276	Resp:	2549
Ion Ratio	Lower	Upper	
276	100		
138	23.9	16.6	24.8
277	24.6	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





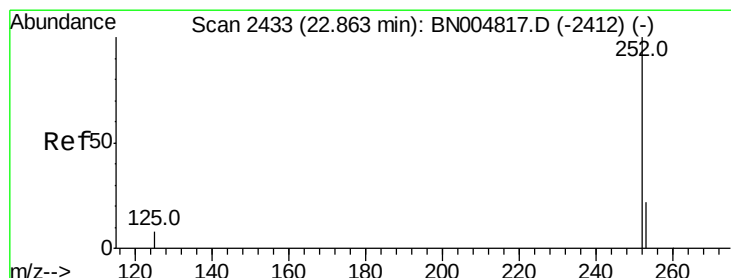
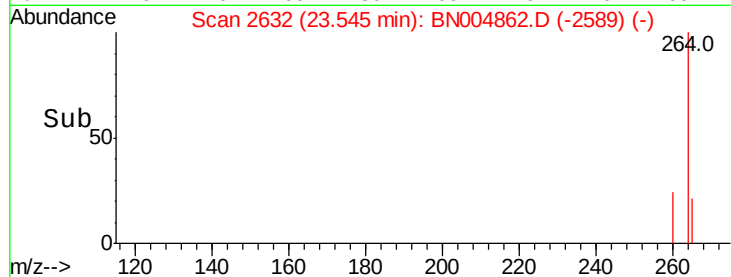
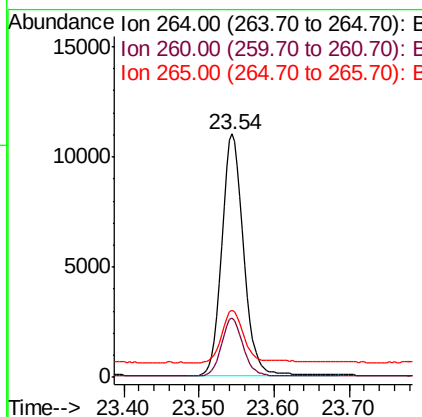
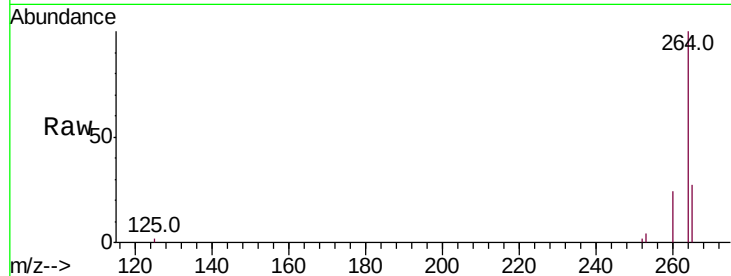
#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.54 min Scan# 2632
Delta R.T. -0.00 min
Lab File: BN004862.D
Acq: 21 Mar 2019 22:20

Instrument :
BNA_N
ClientSampleId :
PST-028-SW011-030619

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.5	29.3
265	27.3	23.1	34.7

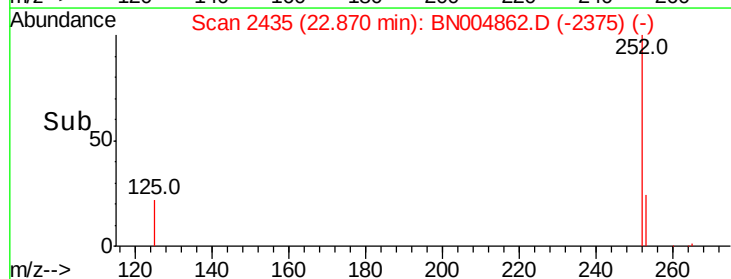
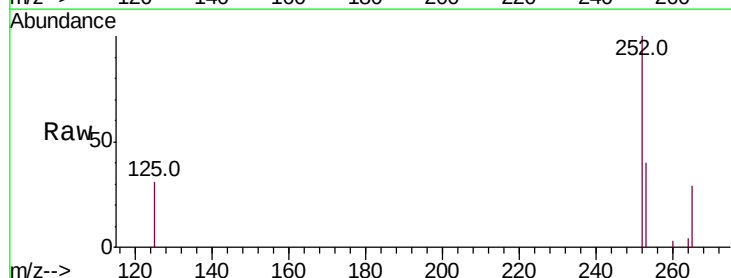
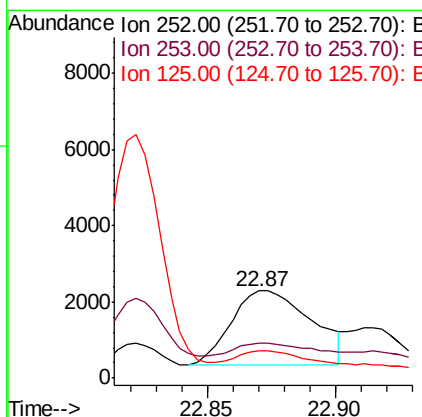
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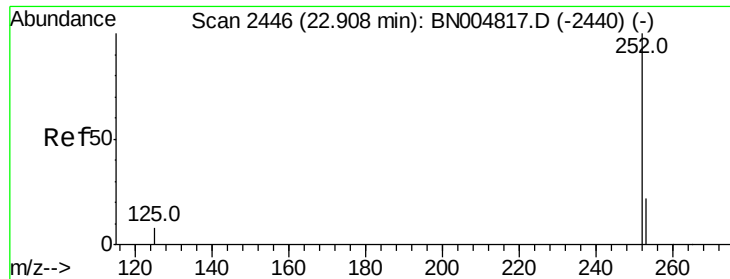
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#35
Benzo(b)fluoranthene
Concen: 0.053 ng
RT: 22.87 min Scan# 2435
Delta R.T. 0.01 min
Lab File: BN004862.D
Acq: 21 Mar 2019 22:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	40.2	19.0	28.4#
125	30.8	7.4	11.2#





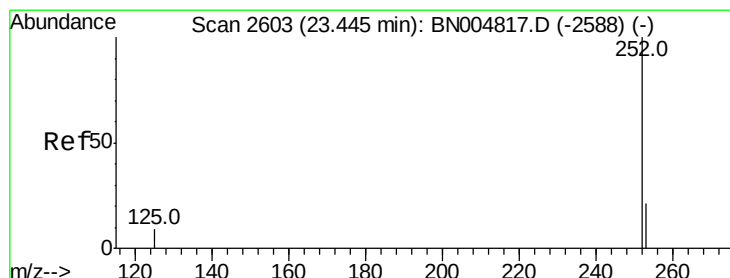
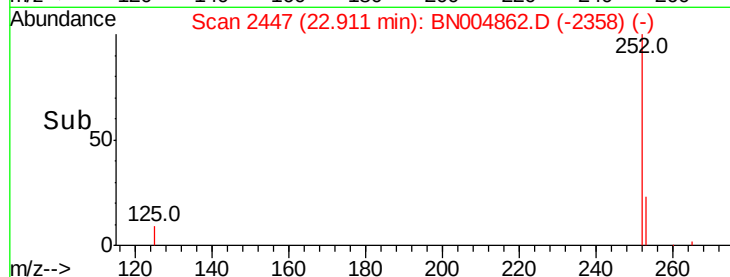
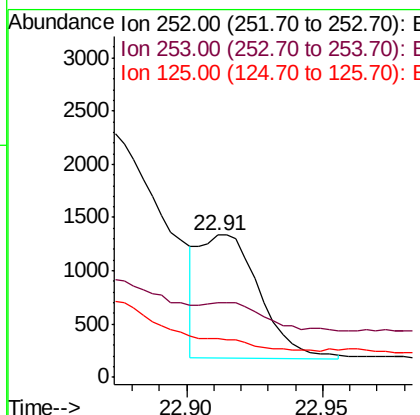
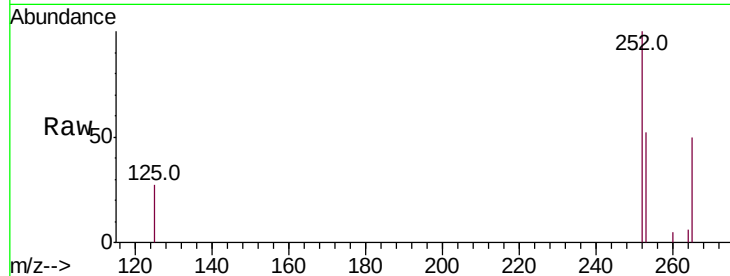
#36
Benzo(k)fluoranthene
Concen: 0.023 ng m
RT: 22.91 min Scan# 2447
Delta R.T. 0.00 min
Lab File: BN004862.D
Acq: 21 Mar 2019 22:20

Instrument :
BNA_N
ClientSampleId :
PST-028-SW011-030619

Tot Ion	Ratio	Lower	Upper
252	100		
253	52.3	19.3	28.9#
125	27.3	7.4	11.0#

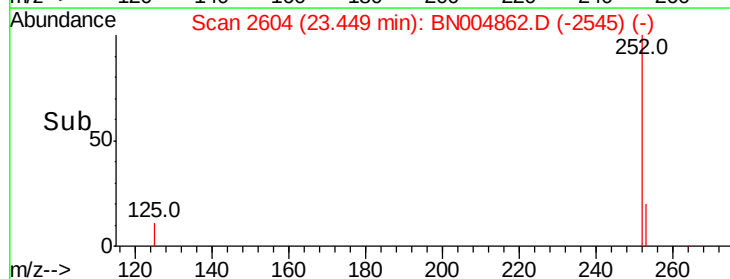
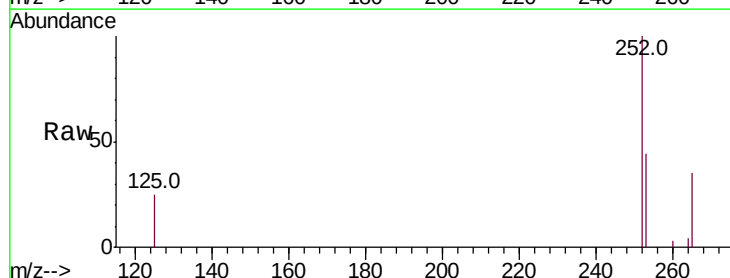
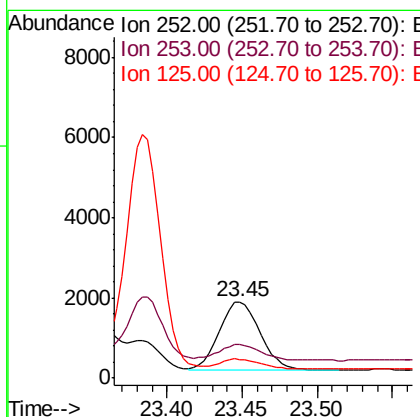
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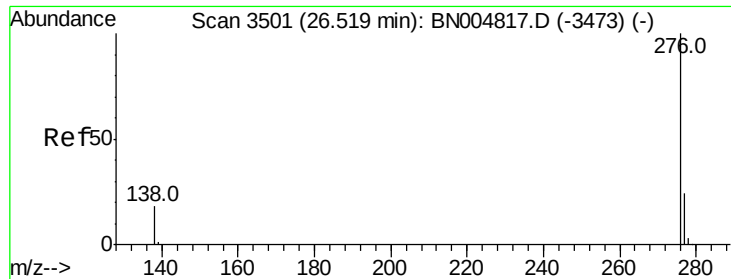
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#37
Benzo(a)pyrene
Concen: 0.044 ng
RT: 23.45 min Scan# 2604
Delta R.T. 0.00 min
Lab File: BN004862.D
Acq: 21 Mar 2019 22:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	43.6	19.7	29.5#
125	24.8	8.3	12.5#





#39

Benzo(a,h,i)perylene

Concen: 0.031 ng

RT: 26.53 min Scan# 3503

Delta R.T. 0.01 min

Lab File: BN004862.D

Acq: 21 Mar 2019 22:20

Instrument :

BNA_N

ClientSampleId :

PST-028-SW011-030619

Tot Ion:	276	Resp:	2685
Ion Ratio	Lower	Upper	
276	100		
277	30.9	19.7	29.5#
138	27.4	14.6	22.0#

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