

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
 Data File : BN004867.D
 Acq On : 22 Mar 2019 01:16
 Operator : JU/SJ
 Sample : K1817-16
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-027-B108-030619

Manual Integrations
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Sohil
 3/22/2019 7:16:33 PM

Quant Time: Mar 22 02:53:29 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	1755	0.40	ng	0.00
7) Naphthalene-d8	10.49	136	7880	0.40	ng	0.00
13) Acenaphthene-d10	14.34	164	5130	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	13690	0.40	ng	0.00
27) Chrysene-d12	21.29	240	18224	0.40	ng	0.00
34) Perylene-d12	23.54	264	20197	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.30	112	1593	0.33	ng	0.00
5) Phenol-d6	6.87	99	2172	0.37	ng	0.00
8) Nitrobenzene-d5	8.87	82	1429	0.27	ng	0.00
11) 2-Methylnaphthalene-d10	12.08	152	4041	0.29	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	949	0.27	ng	0.00
15) 2-Fluorobiphenyl	12.96	172	6524	0.31	ng	0.00
25) Fluoranthene-d10	19.13	212	12746	0.28	ng	0.00
29) Terphenyl-d14	19.72	244	10444	0.28	ng	0.00
Target Compounds						Qvalue
12) 2-Methylnaphthalene	12.15	142	345	0.021	ng	# 88
23) Phenanthrene	17.13	178	3488	0.079	ng	98
26) Fluoranthene	19.16	202	7390	0.130	ng	99
28) Pyrene	19.52	202	7289	0.131	ng	96
30) Benzo(a)anthracene	21.28	228	4293	0.072	ng	92
31) Chrysene	21.32	228	4314	0.069	ng	95
32) Bis(2-ethylhexyl)phthalate	21.18	149	1006	0.042	ng	# 95
33) Indeno(1,2,3-cd)pyrene	25.82	276	3055	0.034	ng	97
35) Benzo(b)fluoranthene	22.87	252	5585	0.076	ng	# 75
36) Benzo(k)fluoranthene	22.91	252	2184m	0.030	ng	
37) Benzo(a)pyrene	23.44	252	4348	0.065	ng	# 75
39) Benzo(a,h,i)perylene	26.52	276	3026	0.038	ng	# 87

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

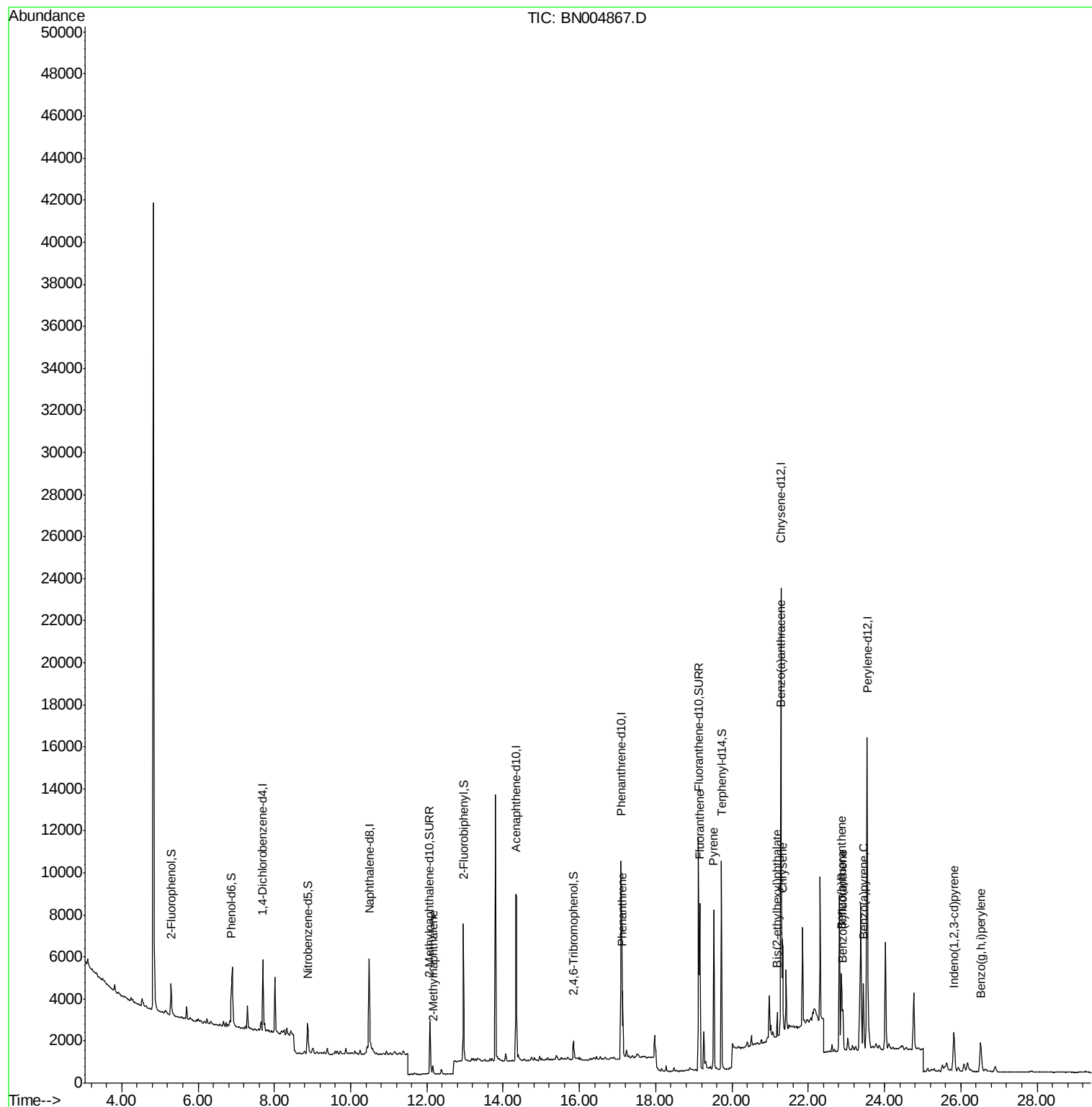
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
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Operator : JU/SJ
Sample : K1817-16
Misc :
ALS Vial : 14 Sample Multiplier: 1

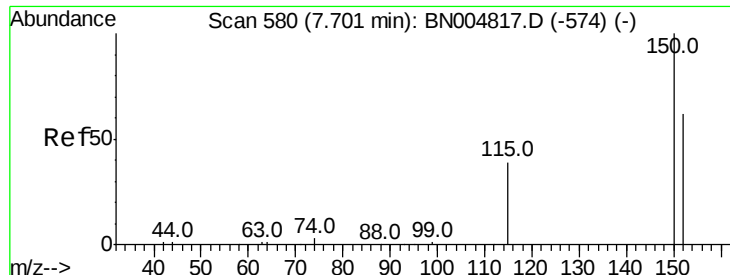
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032019.M
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#1

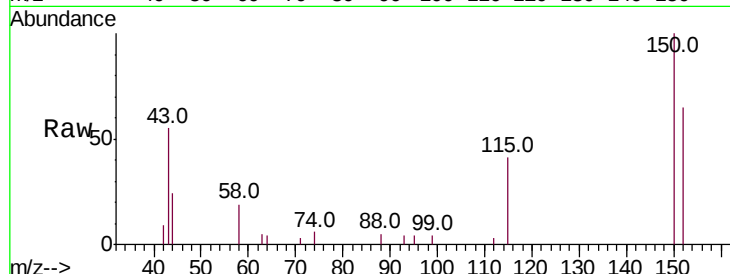
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.70 min Scan# 580
Delta R.T. -0.00 min
Lab File: BN004867.D
Acq: 22 Mar 2019 01:16

Instrument :
BNA_N
ClientSampleId :
PST-027-B108-030619

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	126.2	189.4
115	63.4	52.6	79.0

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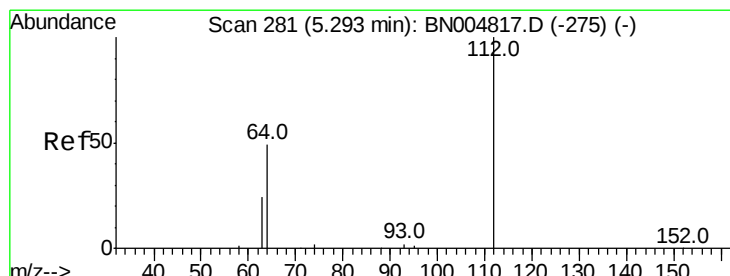
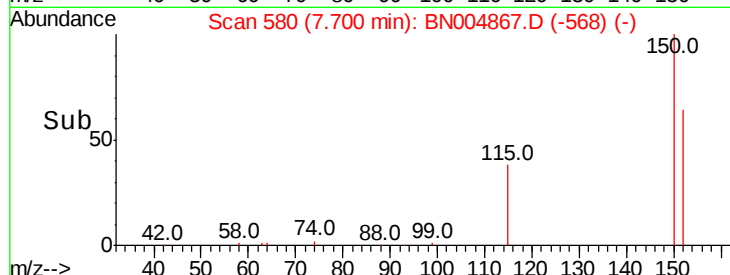
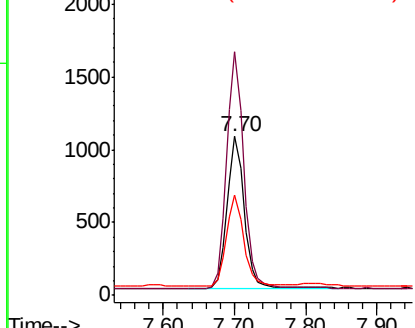


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

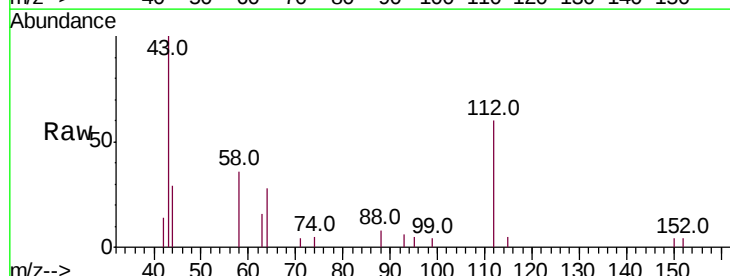
Ion 115.00 (114.70 to 115.70): E



#4

2-Fluorophenol
Concen: 0.334 ng
RT: 5.30 min Scan# 282
Delta R.T. 0.01 min
Lab File: BN004867.D
Acq: 22 Mar 2019 01:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.4	40.0	60.0
63	23.7	20.2	30.2

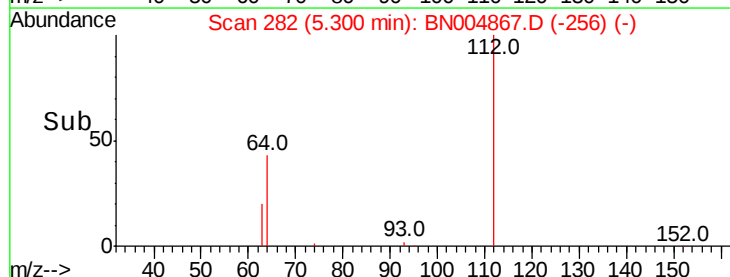
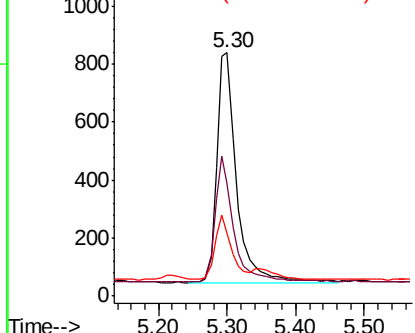


Abundance

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: 0.366 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN004867.D

Acq: 22 Mar 2019 01:16

Instrument :

BNA_N

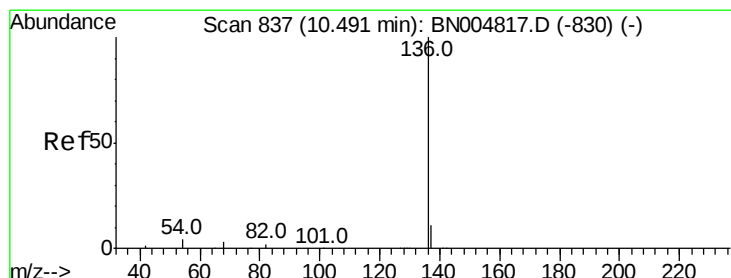
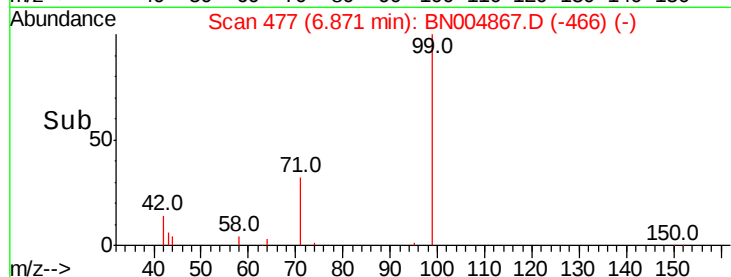
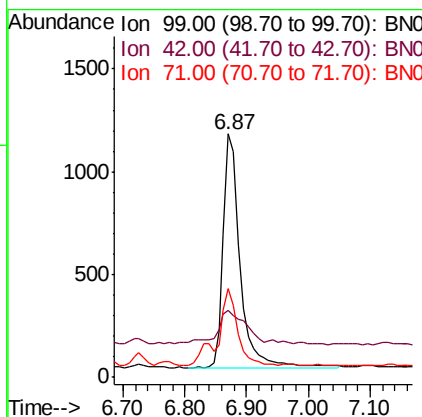
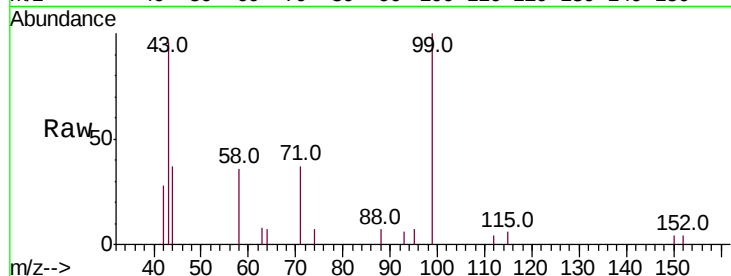
ClientSampleId :

PST-027-B108-030619

Tot Ion:	99	Resp:	2172
Ion	Ratio	Lower	Upper
99	100		
42	22.0	12.7	19.1#
71	39.2	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

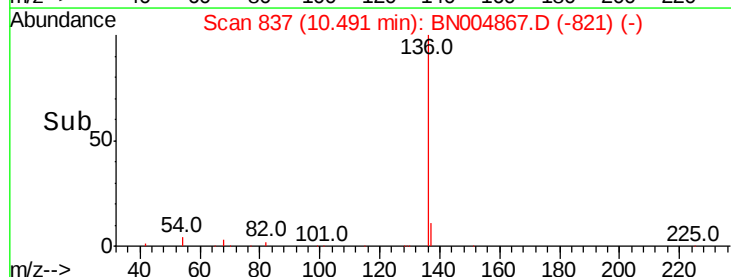
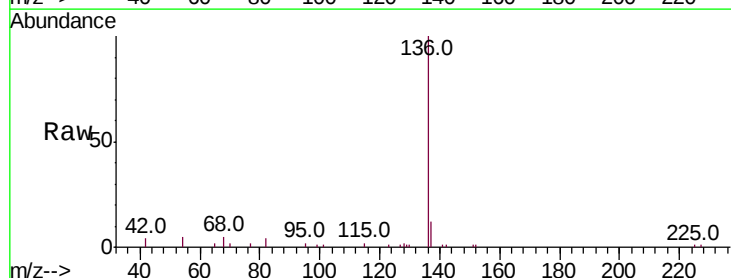
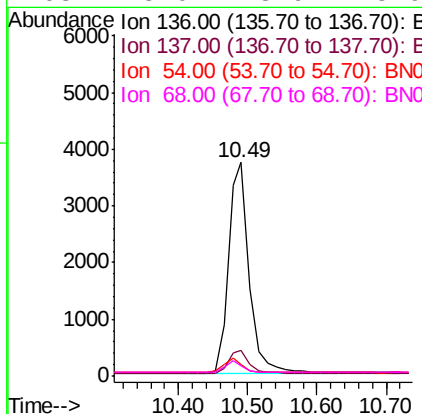
RT: 10.49 min Scan# 837

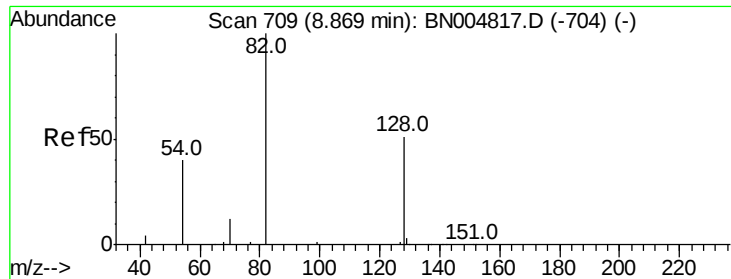
Delta R.T. -0.00 min

Lab File: BN004867.D

Acq: 22 Mar 2019 01:16

Tgt Ion:	136	Resp:	7880
Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.6	14.4
54	5.5	4.2	6.2
68	5.0	3.9	5.9





#8

Nitrobenzene-d5

Concen: 0.274 ng

RT: 8.87 min Scan# 709

Delta R.T. -0.00 min

Lab File: BN004867.D

Acq: 22 Mar 2019 01:16

Instrument :

BNA_N

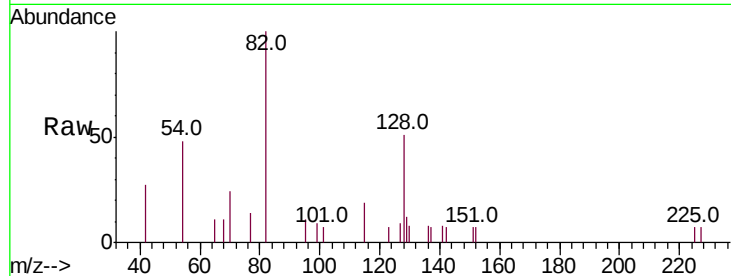
ClientSampleId :

PST-027-B108-030619

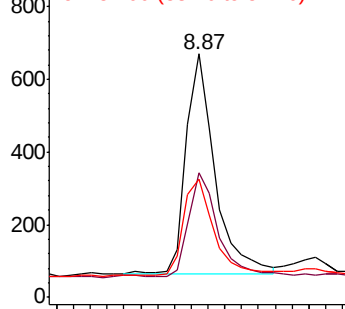
Tot Ion:	82	Resp:	1429
Ion Ratio	Lower	Upper	
82	100		
128	51.2	43.0	64.6
54	48.4	35.3	52.9

Manual Integrations
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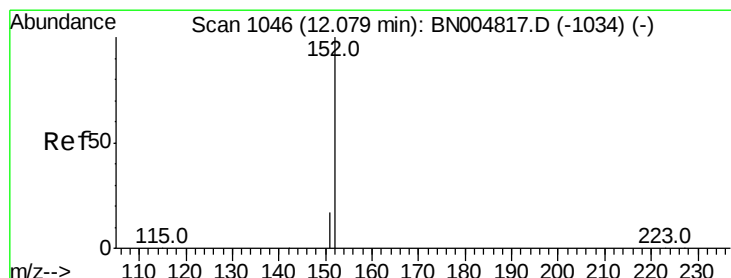
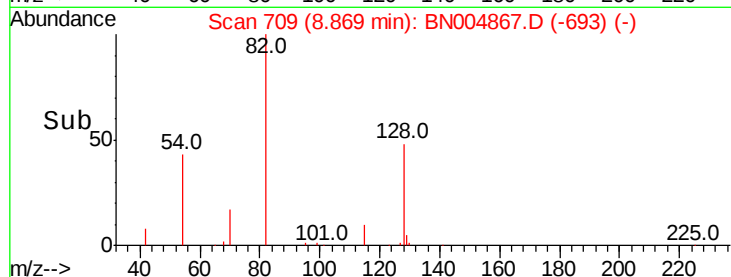
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Abundance Ion 82.00 (81.70 to 82.70): BN004867.D (-693) (-)



Time--> 8.70 8.80 8.90 9.00



#11

2-Methylnaphthalene-d10

Concen: 0.294 ng

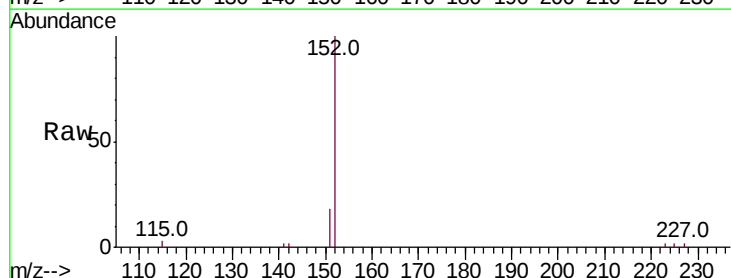
RT: 12.08 min Scan# 1046

Delta R.T. -0.00 min

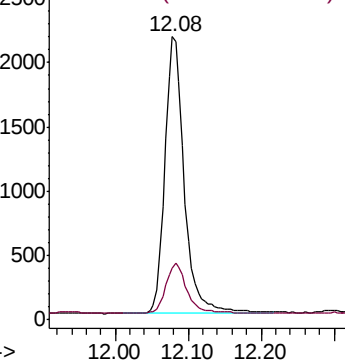
Lab File: BN004867.D

Acq: 22 Mar 2019 01:16

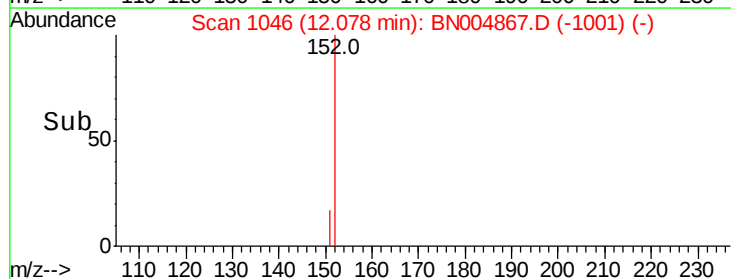
Tgt Ion:	152	Resp:	4041
Ion Ratio	Lower	Upper	
152	100		
151	20.0	15.5	23.3

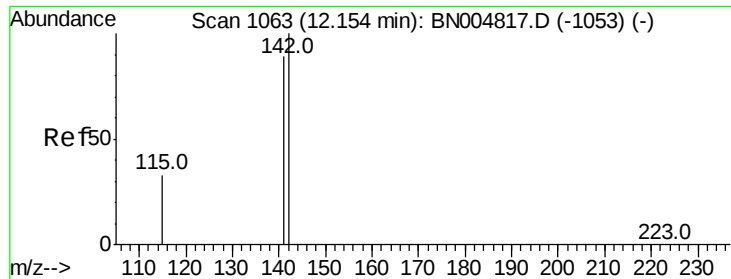


Abundance Ion 152.00 (151.70 to 152.70): BN004867.D (-1001) (-)



Time--> 12.00 12.10 12.20





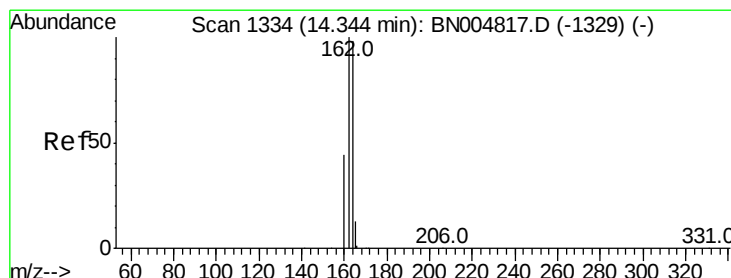
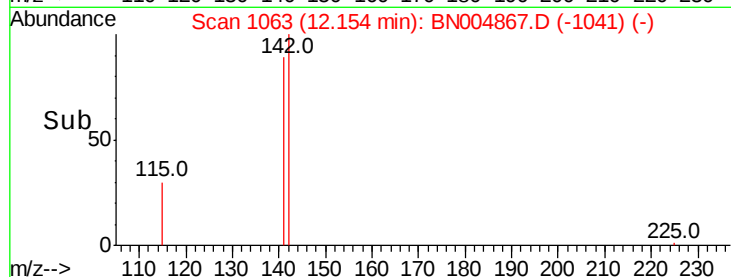
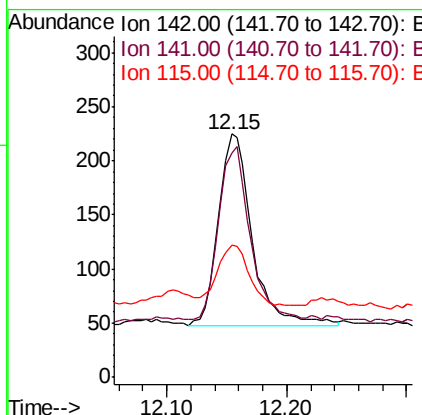
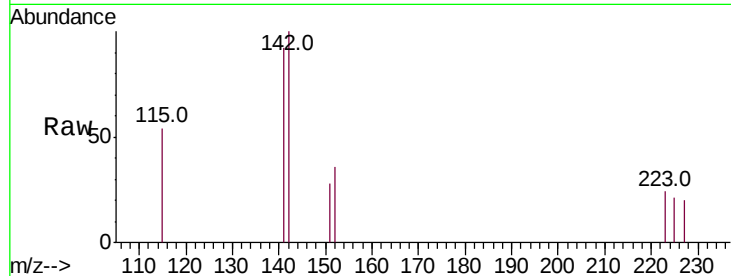
#12
2-Methylnaphthalene
Concen: 0.021 ng
RT: 12.15 min Scan# 1063
Delta R.T. -0.00 min
Lab File: BN004867.D
Acq: 22 Mar 2019 01:16

Instrument :
BNA_N
ClientSampleId :
PST-027-B108-030619

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.0	71.4	107.2
115	54.2	27.5	41.3

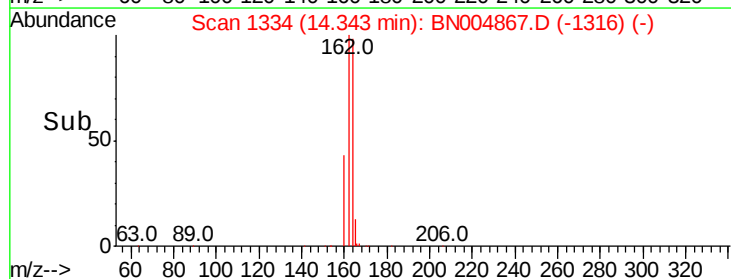
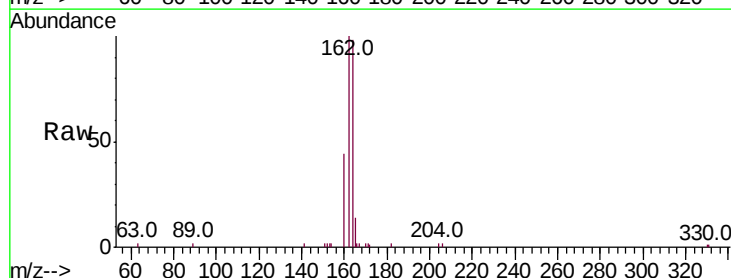
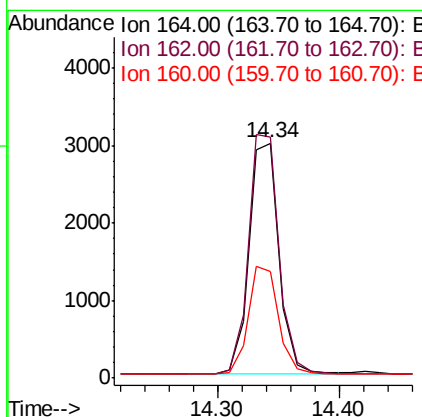
Manual Integrations
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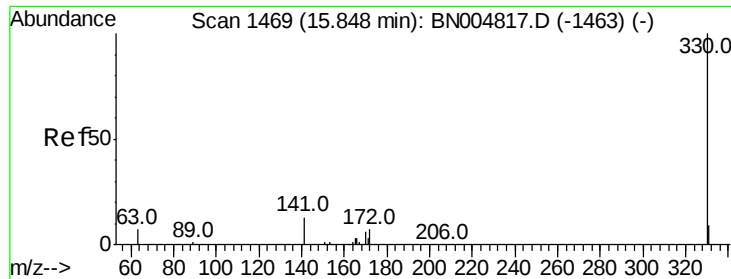
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#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.34 min Scan# 1334
Delta R.T. -0.00 min
Lab File: BN004867.D
Acq: 22 Mar 2019 01:16

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.4	81.9	122.9
160	45.4	36.6	54.8





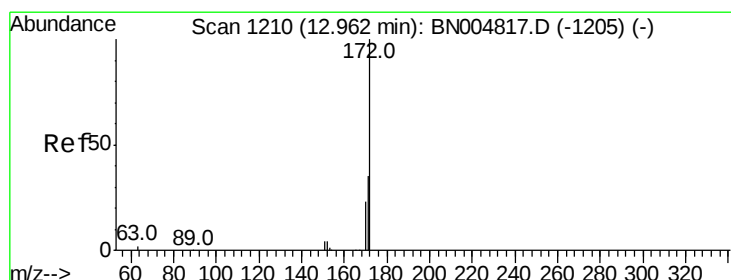
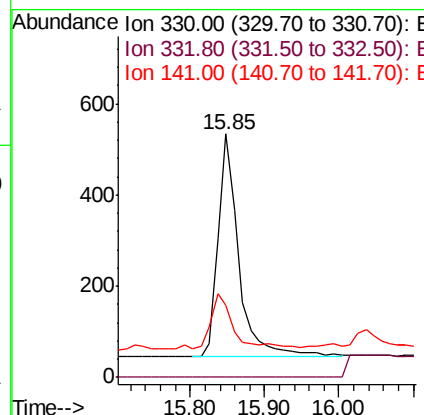
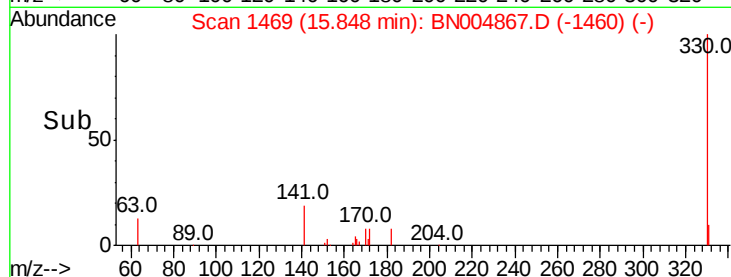
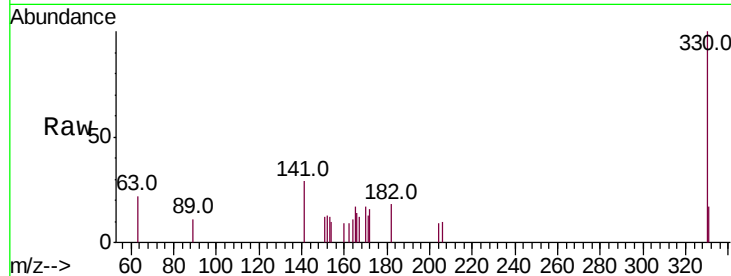
#14
 2,4,6-Tribromophenol
 Concen: 0.268 ng
 RT: 15.85 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: BN004867.D
 Acq: 22 Mar 2019 01:16

Instrument :
 BNA_N
 ClientSampleId :
 PST-027-B108-030619

Tot Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	27.6	20.9	31.3

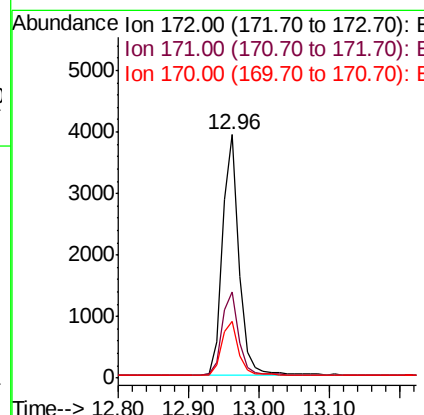
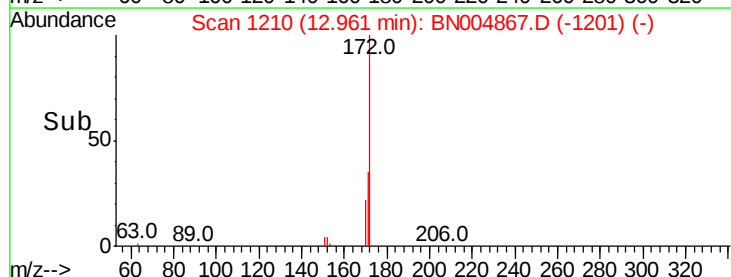
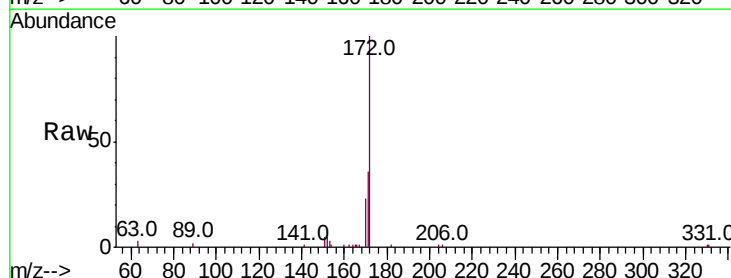
Manual Integrations
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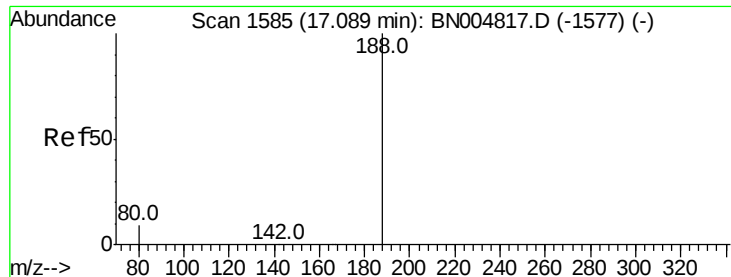
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#15
 2-Fluorobiphenyl
 Concen: 0.308 ng
 RT: 12.96 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: BN004867.D
 Acq: 22 Mar 2019 01:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.7	43.1
170	23.1	18.7	28.1





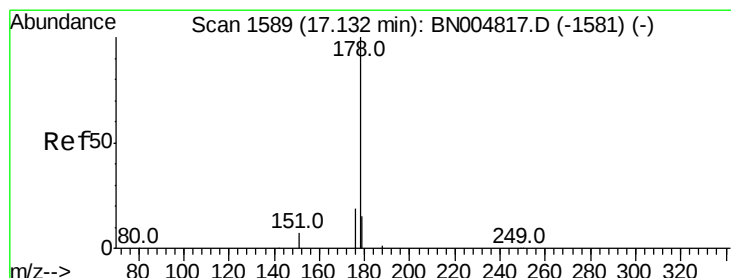
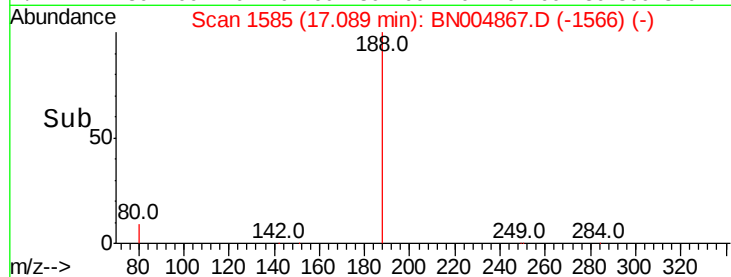
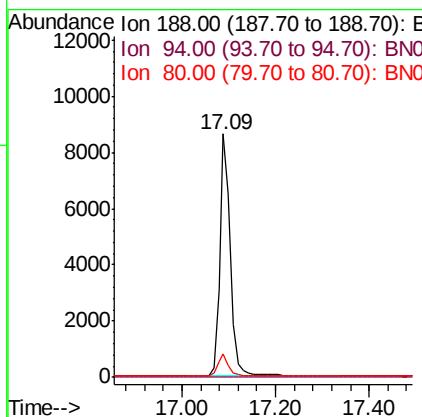
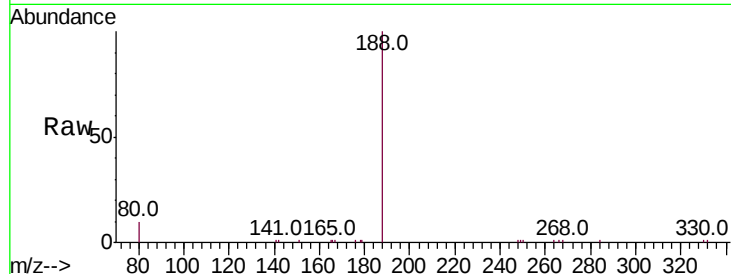
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.09 min Scan# 1585
Delta R.T. -0.00 min
Lab File: BN004867.D
Acq: 22 Mar 2019 01:16

Instrument :
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ClientSampleId :
PST-027-B108-030619

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

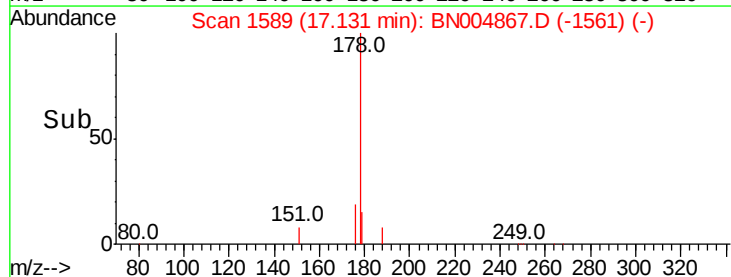
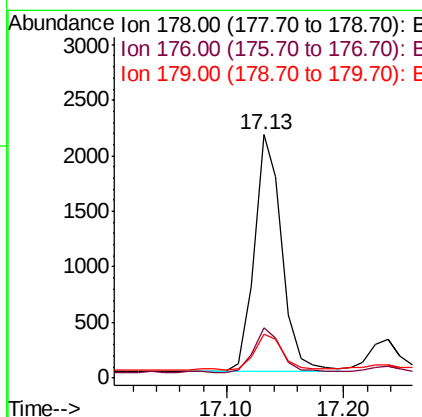
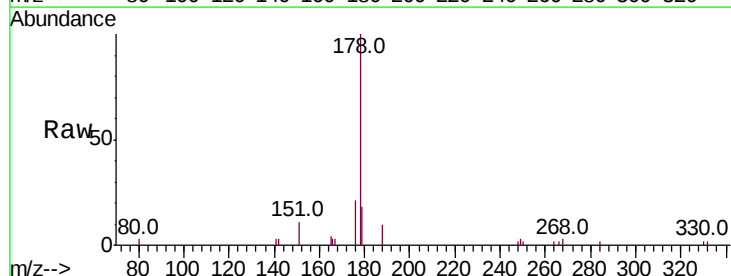
Manual Integrations
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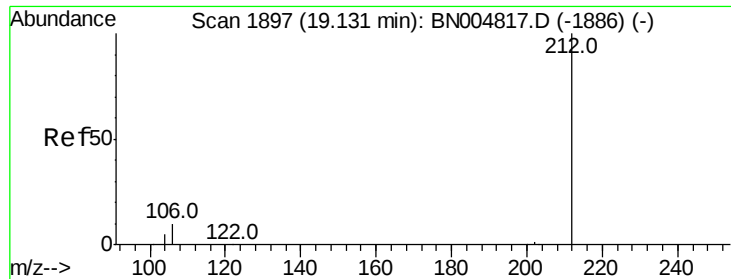
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#23
Phenanthrene
Concen: 0.079 ng
RT: 17.13 min Scan# 1589
Delta R.T. -0.00 min
Lab File: BN004867.D
Acq: 22 Mar 2019 01:16

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.9	22.3
179	16.6	12.1	18.1





#25

Fluoranthene-d10

Concen: 0.278 ng

RT: 19.13 min Scan# 1896

Delta R.T. -0.01 min

Lab File: BN004867.D

Acq: 22 Mar 2019 01:16

Instrument :

BNA_N

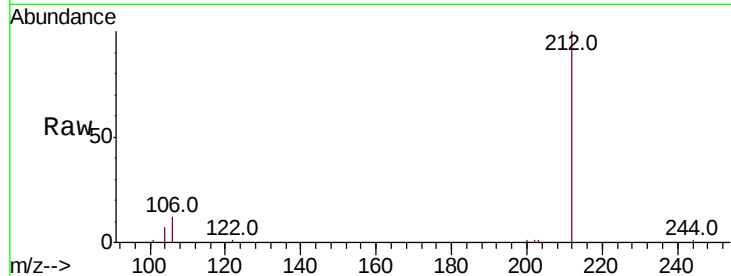
ClientSampleId :

PST-027-B108-030619

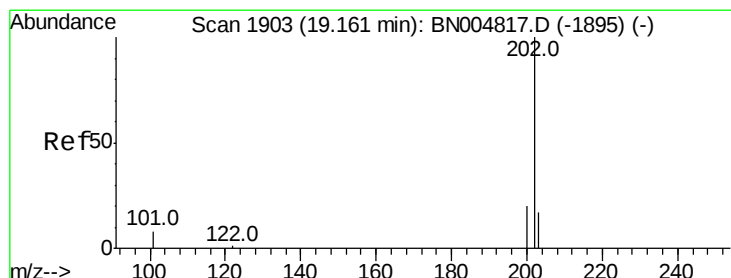
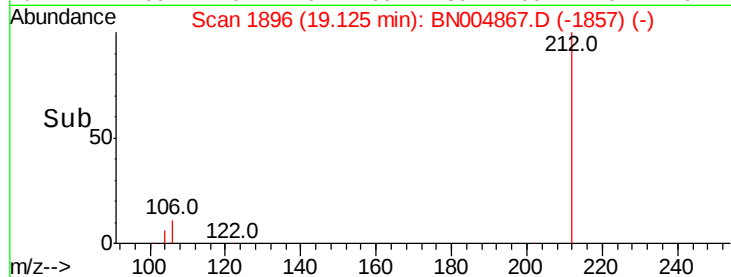
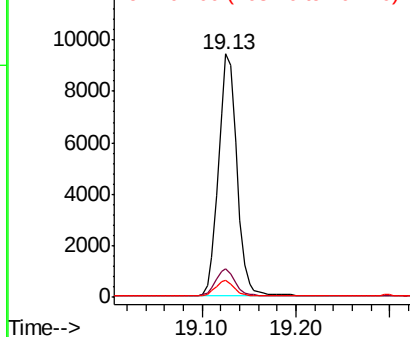
Tot Ion:	212	Resp:	12746
Ion Ratio	Lower	Upper	
212	100		
106	11.4	8.6	13.0
104	6.4	4.7	7.1

Manual Integrations
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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: 0.130 ng

RT: 19.16 min Scan# 1902

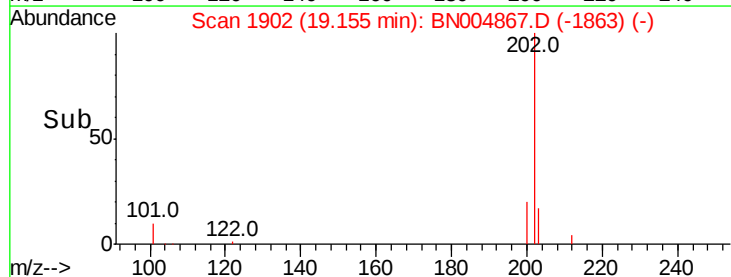
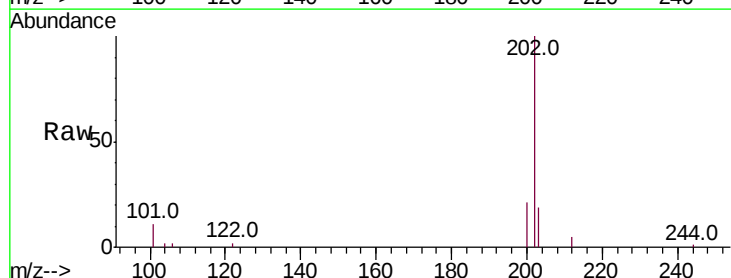
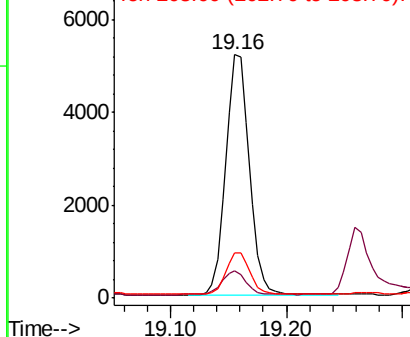
Delta R.T. -0.01 min

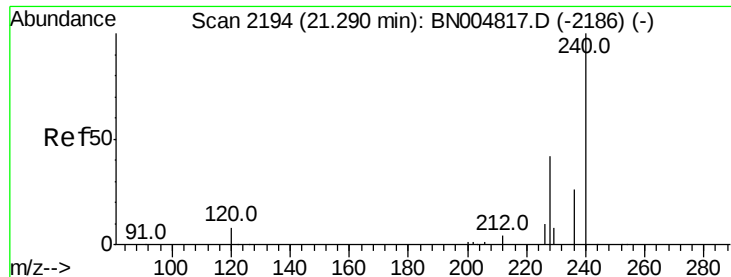
Lab File: BN004867.D

Acq: 22 Mar 2019 01:16

Tgt Ion:	202	Resp:	7390
Ion Ratio	Lower	Upper	
202	100		
101	10.8	7.5	11.3
203	17.3	13.8	20.6

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: 21.29 min Scan# 2194

Delta R.T. -0.00 min

Lab File: BN004867.D

Acq: 22 Mar 2019 01:16

Instrument :

BNA_N

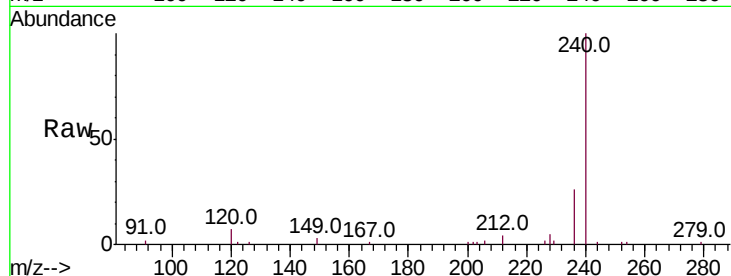
ClientSampleId :

PST-027-B108-030619

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.5	7.2	10.8
236	25.9	20.9	31.3

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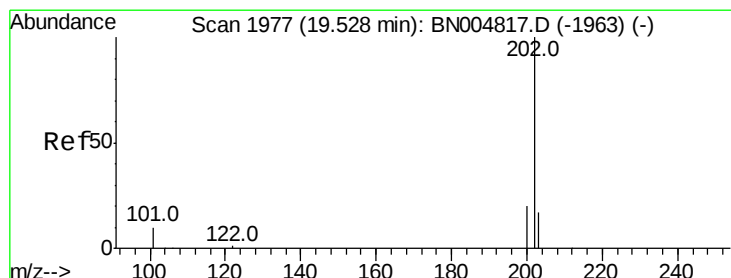
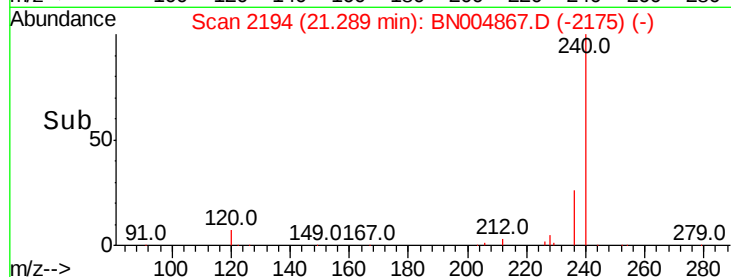
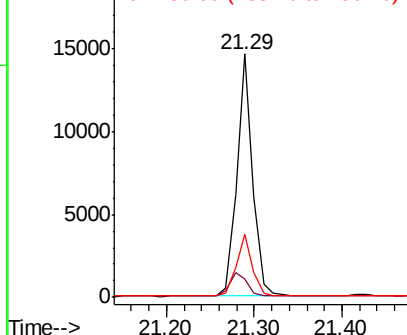


Abundance Ion 240.00 (239.70 to 240.70): E

20000

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.131 ng

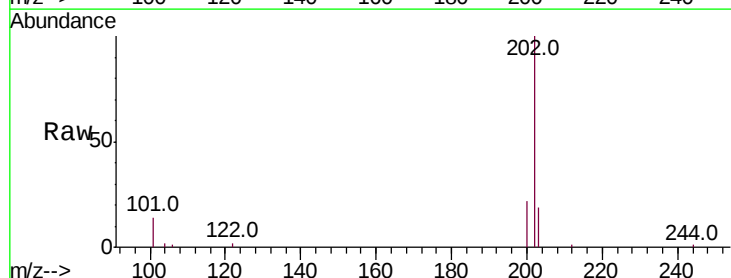
RT: 19.52 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BN004867.D

Acq: 22 Mar 2019 01:16

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.3	24.5
203	20.7	14.0	21.0

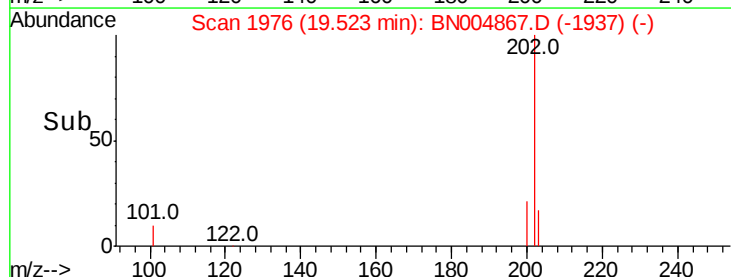
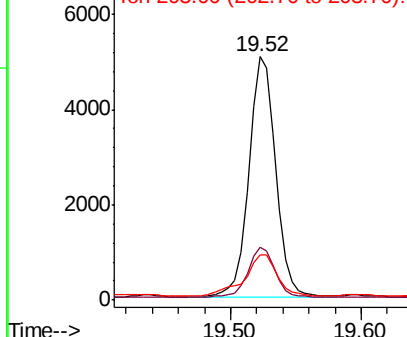


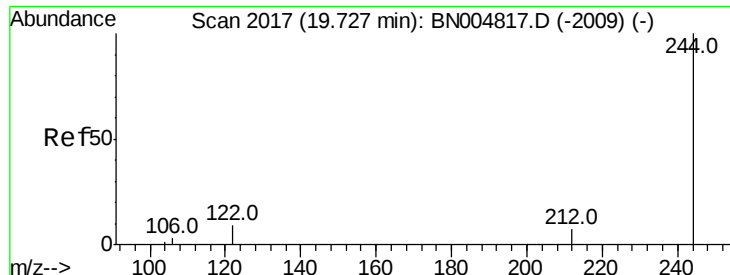
Abundance Ion 202.00 (201.70 to 202.70): E

6000

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.280 ng

RT: 19.72 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BN004867.D

Acq: 22 Mar 2019 01:16

Instrument :

BNA_N

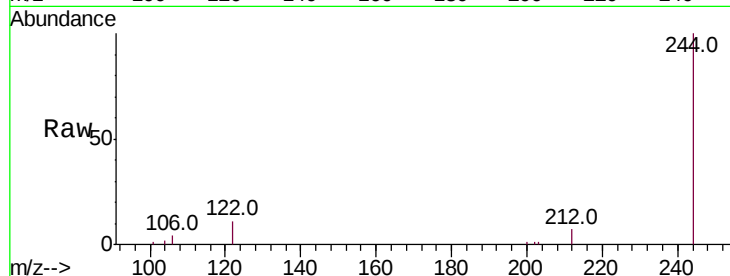
ClientSampleId :

PST-027-B108-030619

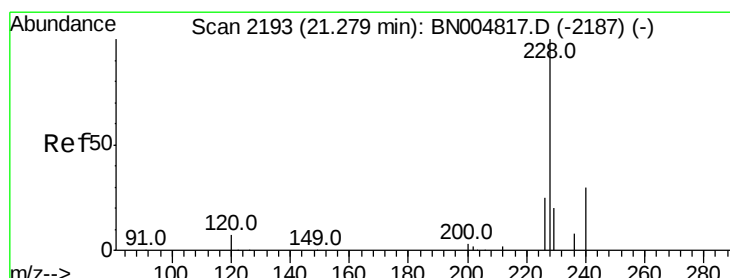
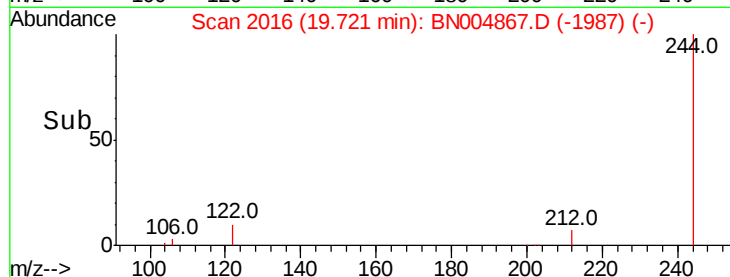
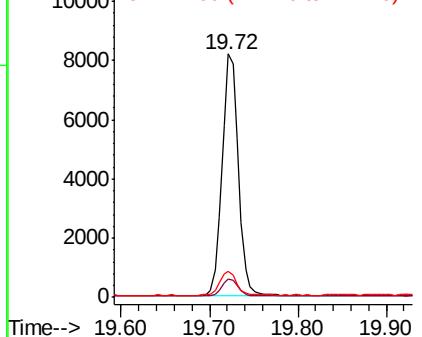
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.6
122	10.7	7.9	11.9

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.072 ng

RT: 21.28 min Scan# 2193

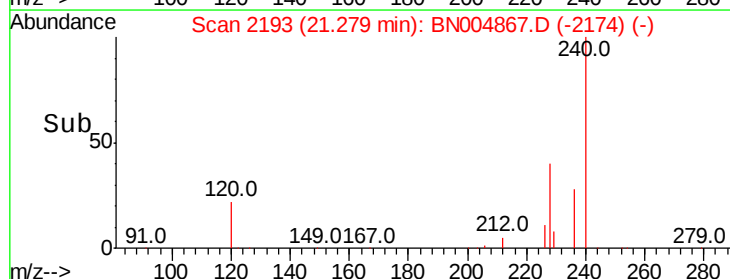
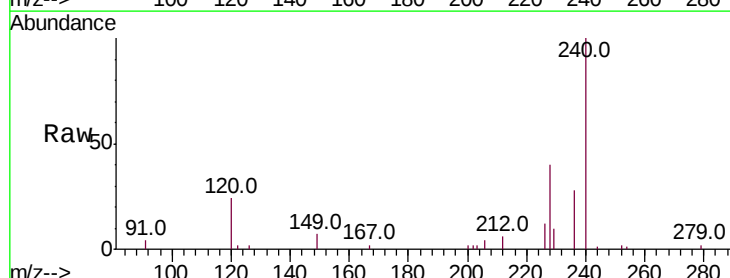
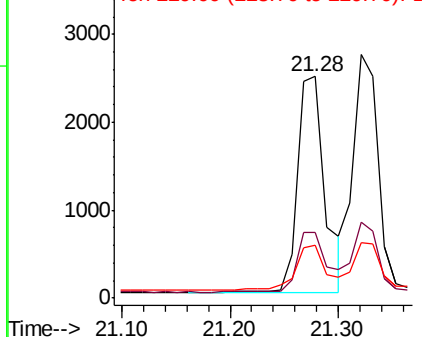
Delta R.T. -0.00 min

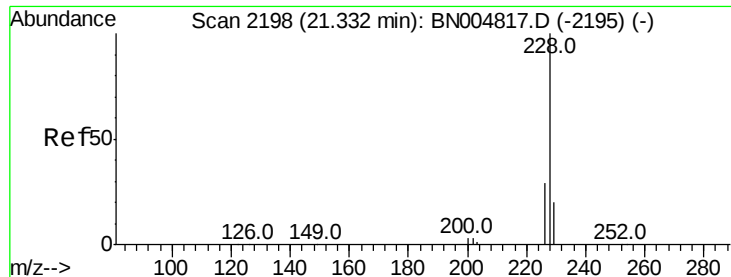
Lab File: BN004867.D

Acq: 22 Mar 2019 01:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	20.6	31.0
229	23.9	16.2	24.4

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





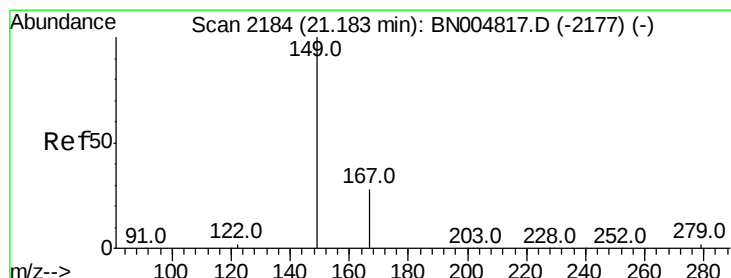
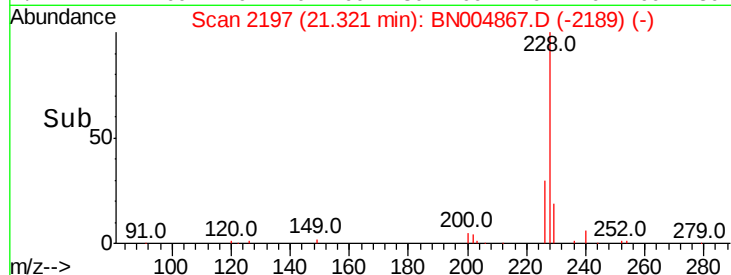
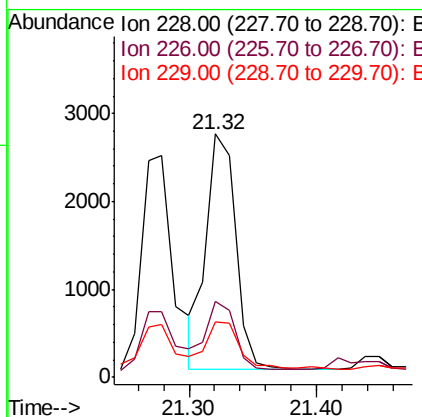
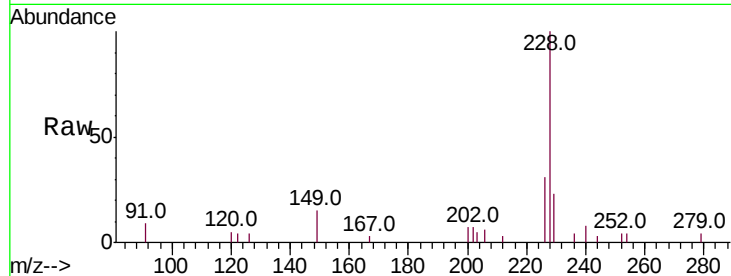
#31
 Chrysene
 Concen: 0.069 ng
 RT: 21.32 min Scan# 2197
 Delta R.T. -0.01 min
 Lab File: BN004867.D
 Acq: 22 Mar 2019 01:16

Instrument :
 BNA_N
 ClientSampled :
 PST-027-B108-030619

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	23.0	34.6
229	22.5	16.2	24.2

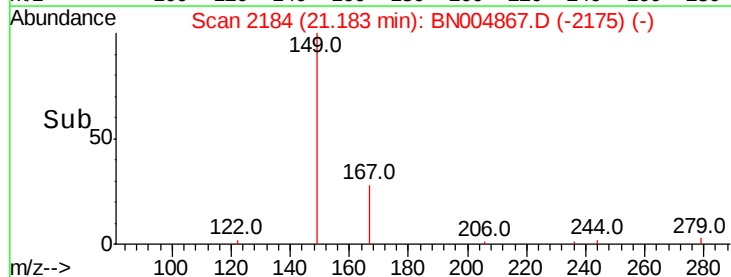
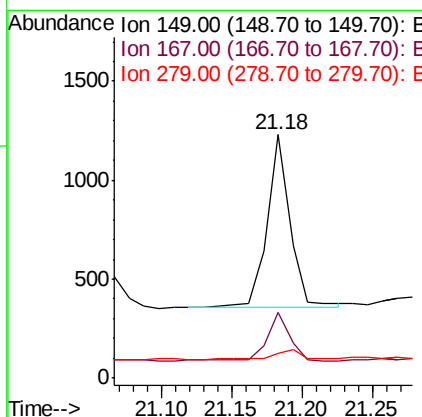
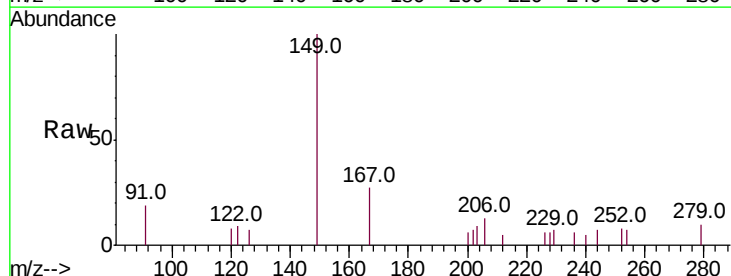
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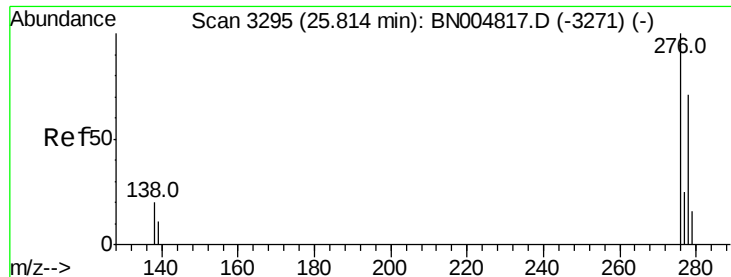
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#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.042 ng
 RT: 21.18 min Scan# 2184
 Delta R.T. -0.00 min
 Lab File: BN004867.D
 Acq: 22 Mar 2019 01:16

Tgt Ion	Ratio	Lower	Upper
149	100		
167	26.7	23.0	34.4
279	8.6	4.6	6.8#





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.034 ng

RT: 25.82 min Scan# 3296

Delta R.T. 0.00 min

Lab File: BN004867.D

Acq: 22 Mar 2019 01:16

Instrument :

BNA_N

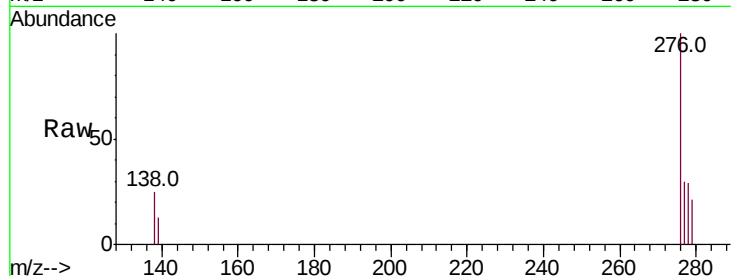
ClientSampleId :

PST-027-B108-030619

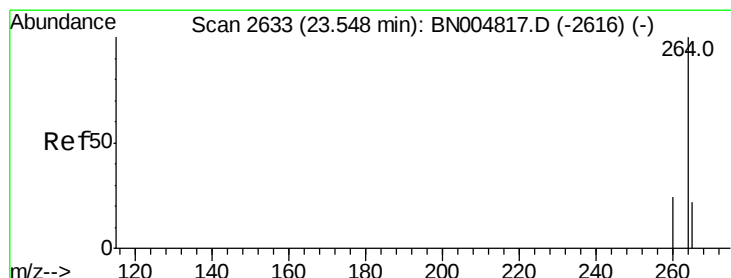
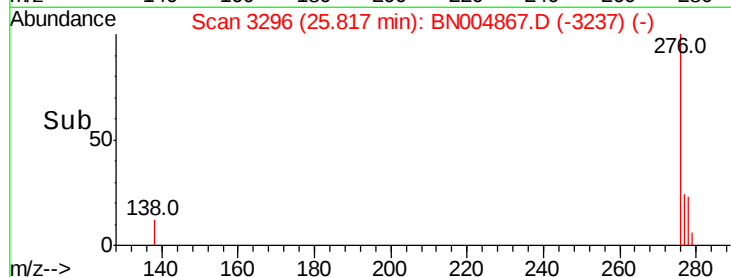
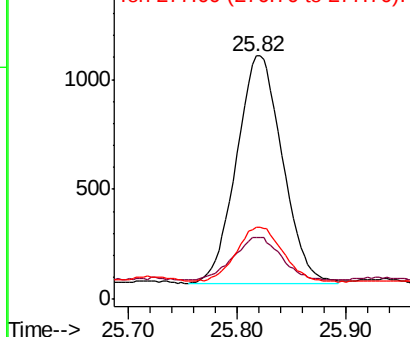
Tot Ion:	276	Resp:	3055
Ion Ratio	Lower	Upper	
276	100		
138	19.3	16.6	24.8
277	24.0	20.3	30.5

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Abundance Ion 276.00 (275.70 to 276.70): E
1500 Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#34

Perylene-d12

Concen: 0.400 ng

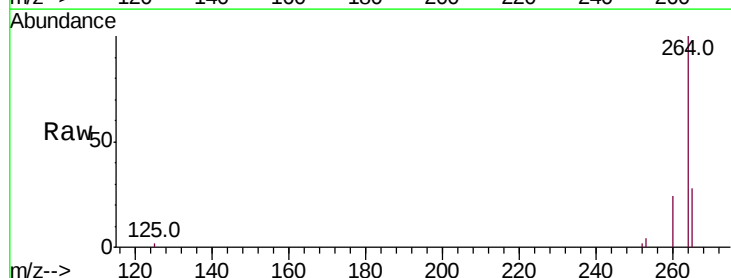
RT: 23.54 min Scan# 2631

Delta R.T. -0.01 min

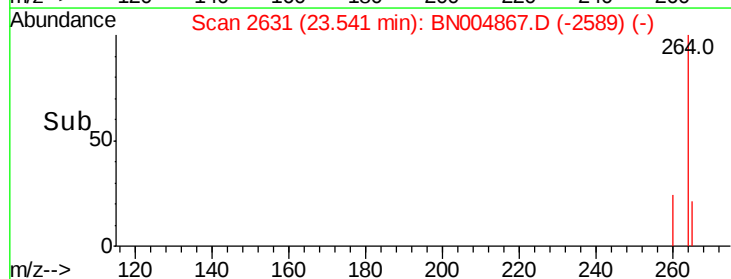
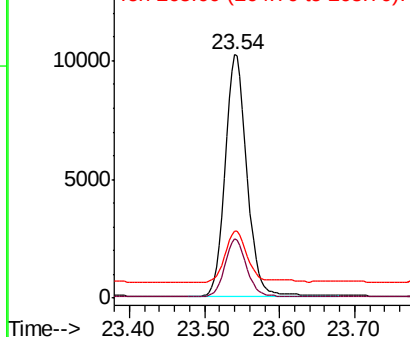
Lab File: BN004867.D

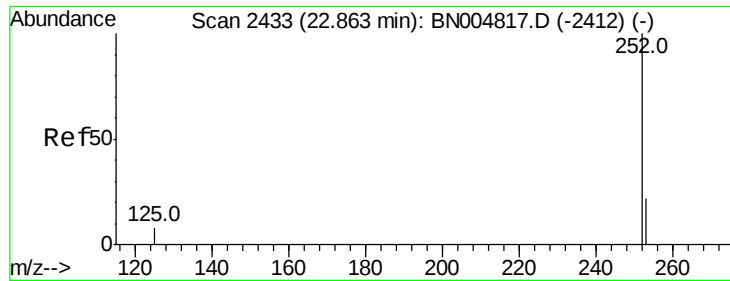
Acq: 22 Mar 2019 01:16

Tgt Ion:	264	Resp:	20197
Ion Ratio	Lower	Upper	
264	100		
260	24.2	19.5	29.3
265	27.7	23.1	34.7



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





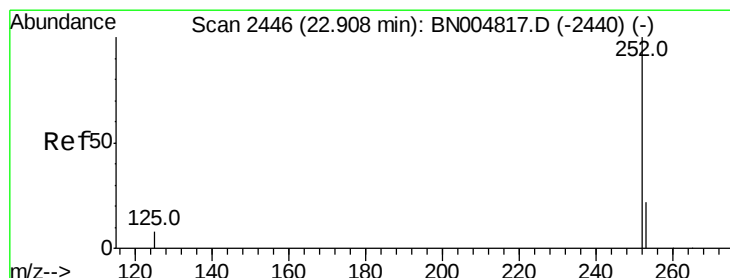
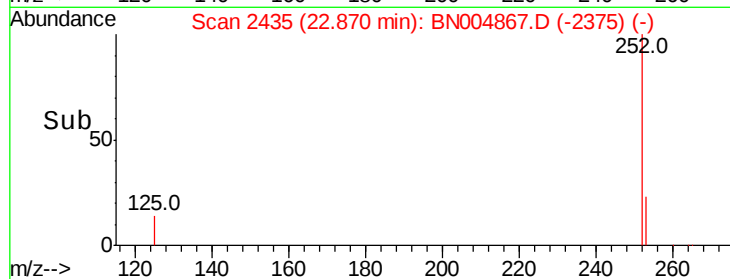
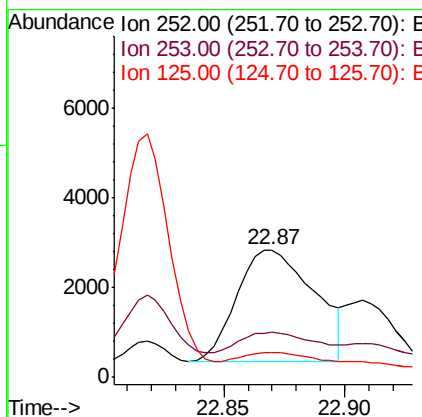
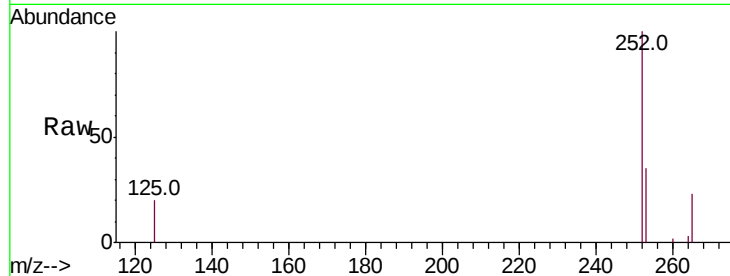
#35
Benzo(b)fluoranthene
Concen: 0.076 ng
RT: 22.87 min Scan# 2435
Delta R.T. 0.01 min
Lab File: BN004867.D
Acq: 22 Mar 2019 01:16

Instrument :
BNA_N
ClientSampled :
PST-027-B108-030619

Tot Ion	Ratio	Lower	Upper
252	100		
253	35.4	19.0	28.4#
125	19.6	7.4	11.2#

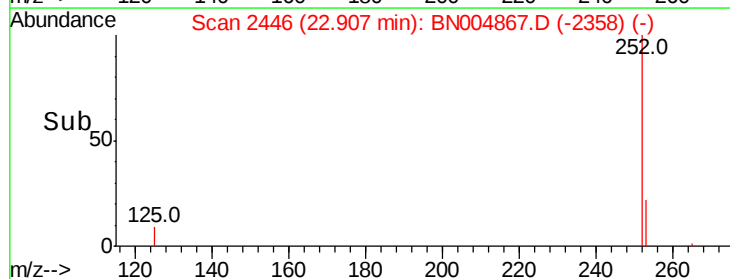
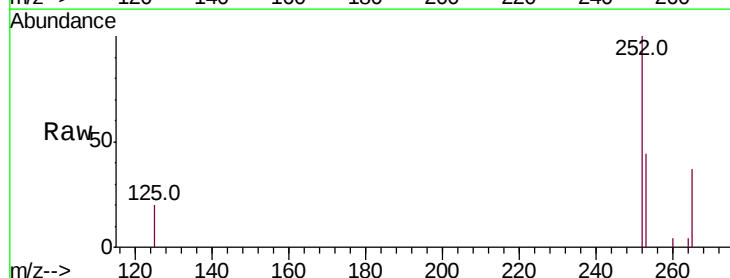
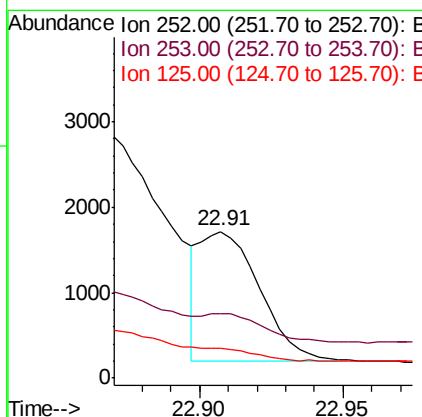
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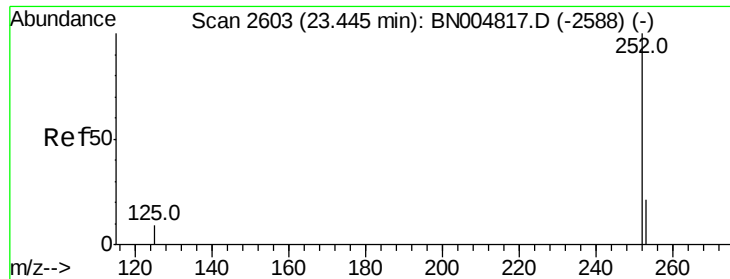
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#36
Benzo(k)fluoranthene
Concen: 0.030 ng m
RT: 22.91 min Scan# 2446
Delta R.T. -0.00 min
Lab File: BN004867.D
Acq: 22 Mar 2019 01:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	44.2	19.3	28.9#
125	19.9	7.4	11.0#





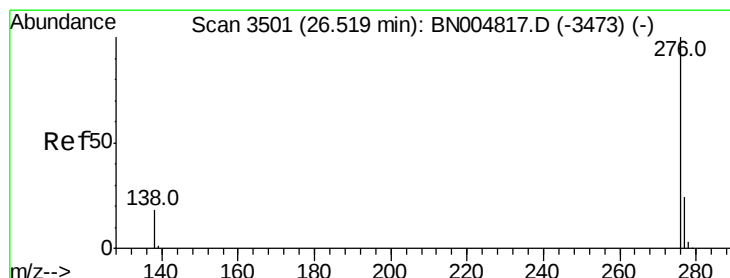
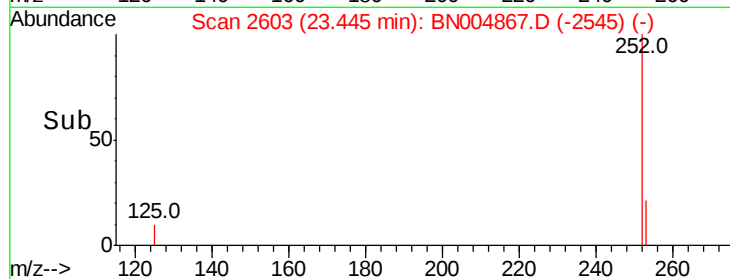
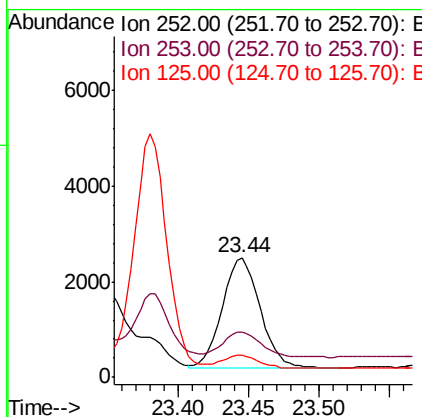
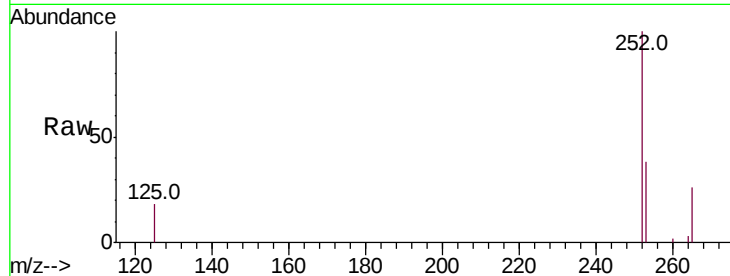
#37
Benzo(a)pyrene
Concen: 0.065 ng
RT: 23.44 min Scan# 2603
Delta R.T. -0.00 min
Lab File: BN004867.D
Acq: 22 Mar 2019 01:16

Instrument :
BNA_N
ClientSampleId :
PST-027-B108-030619

Tot Ion	Ratio	Lower	Upper
252	100		
253	37.6	19.7	29.5#
125	18.2	8.3	12.5#

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#39
Benzo(g,h,i)perylene
Concen: 0.038 ng
RT: 26.52 min Scan# 3501
Delta R.T. -0.00 min
Lab File: BN004867.D
Acq: 22 Mar 2019 01:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	30.1	19.7	29.5#
138	25.3	14.6	22.0#

