

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032319\
 Data File : BN004932.D
 Acq On : 23 Mar 2019 22:00
 Operator : JU/SJ
 Sample : K2015-12
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-025-SW039-031919

Manual Integrations
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 3/25/2019 1:34:51 PM

Quant Time: Mar 24 02:12:15 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	1795	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	7476	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	4020	0.40	ng	-0.01
19) Phenanthrene-d10	17.08	188	9226	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	12979	0.40	ng	-0.01
34) Perylene-d12	23.53	264	15909	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.28	112	1985	0.41	ng	0.00
5) Phenol-d6	6.86	99	2458	0.40	ng	-0.02
8) Nitrobenzene-d5	8.86	82	1936	0.39	ng	-0.01
11) 2-Methylnaphthalene-d10	12.07	152	4252	0.33	ng	-0.01
14) 2,4,6-Tribromophenol	15.84	330	879	0.32	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	5851	0.35	ng	-0.01
25) Fluoranthene-d10	19.12	212	11043	0.36	ng	-0.02
29) Terphenyl-d14	19.72	244	7426	0.28	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
23) Phenanthrene	17.12	178	962m	0.032	ng	
26) Fluoranthene	19.15	202	1912	0.050	ng	# 94
28) Pyrene	19.51	202	1860	0.047	ng	# 97
30) Benzo(a)anthracene	21.27	228	1224	0.029	ng	# 73
31) Chrysene	21.32	228	1263	0.028	ng	# 77
32) Bis(2-ethylhexyl)phthalate	21.17	149	2899	0.170	ng	# 99
35) Benzo(b)fluoranthene	22.85	252	2005	0.035	ng	# 11
37) Benzo(a)pyrene	23.43	252	1369	0.026	ng	# 2

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

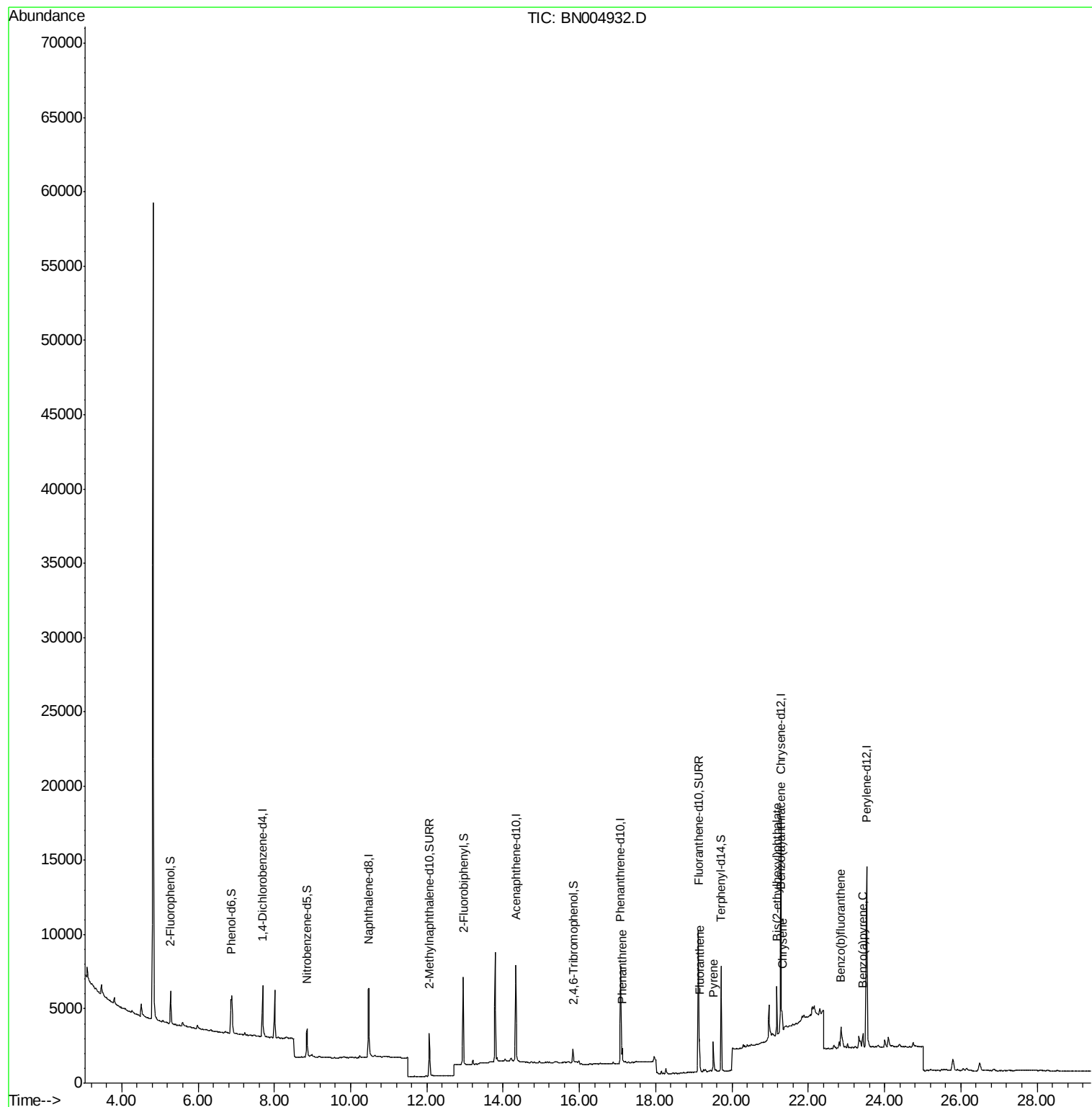
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032319\
Data File : BN004932.D
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Operator : JU/SJ
Sample : K2015-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

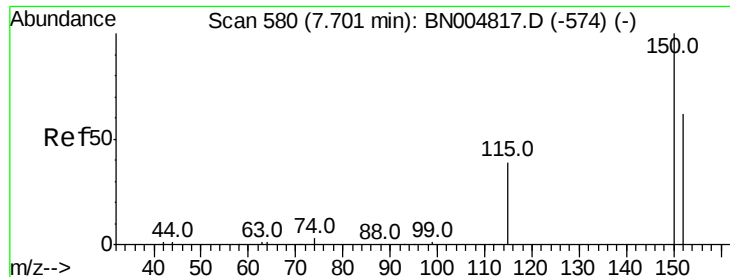
Instrument :
BNA_N
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN032019.M
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#1

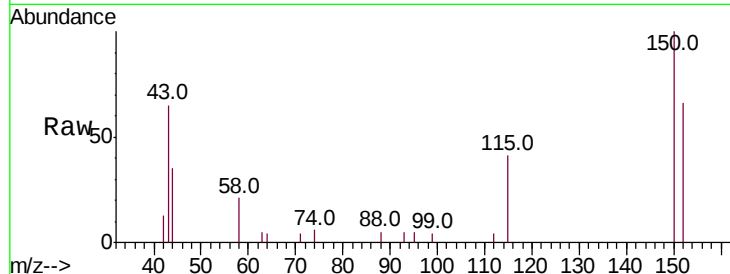
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 579
Delta R.T. -0.01 min
Lab File: BN004932.D
Acq: 23 Mar 2019 22:00

Instrument :
BNA_N
ClientSampleId :
EXT-025-SW039-031919

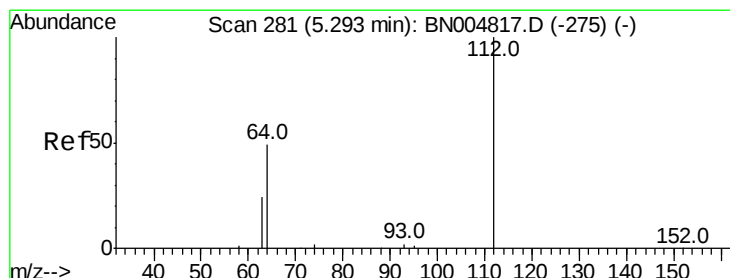
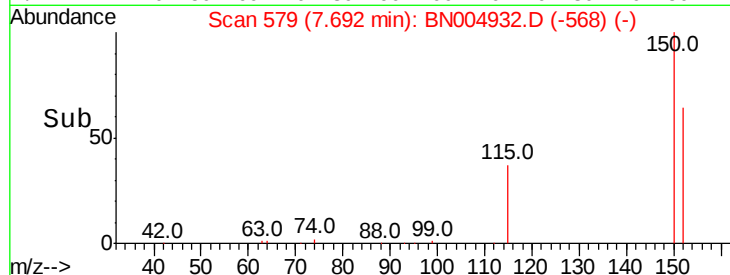
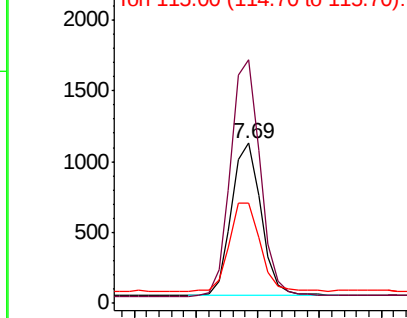
Tot Ion	Ratio	Lower	Upper
152	100		
150	152.2	126.2	189.4
115	62.8	52.6	79.0

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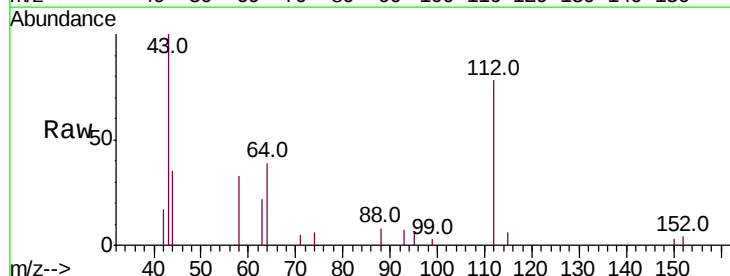
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



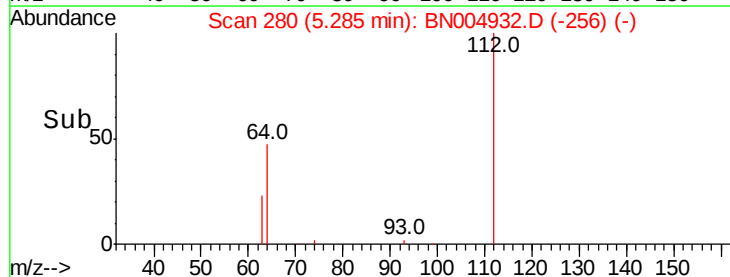
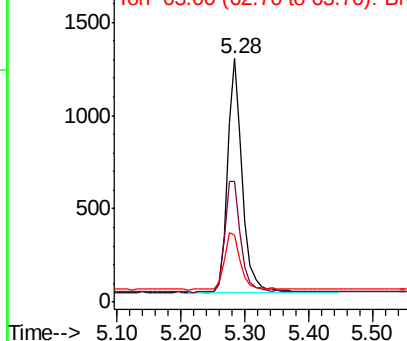
#4

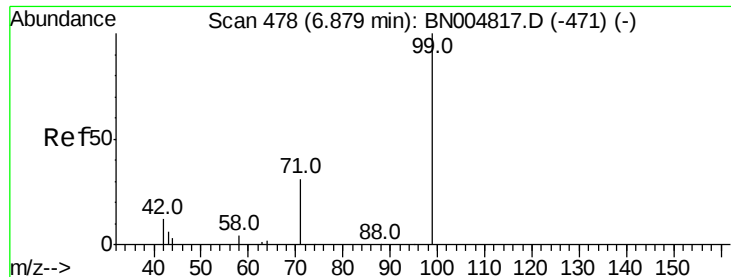
2-Fluorophenol
Concen: 0.407 ng
RT: 5.28 min Scan# 280
Delta R.T. -0.01 min
Lab File: BN004932.D
Acq: 23 Mar 2019 22:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.9	40.0	60.0
63	27.6	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: 0.405 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004932.D

Acq: 23 Mar 2019 22:00

Instrument :

BNA_N

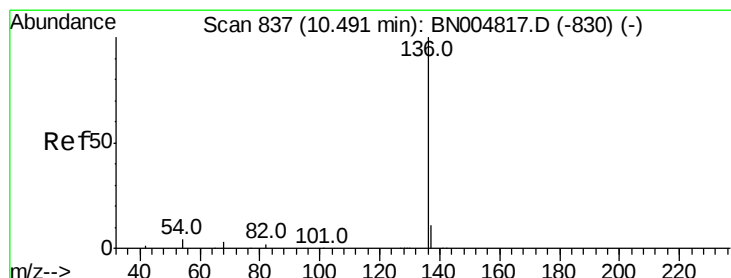
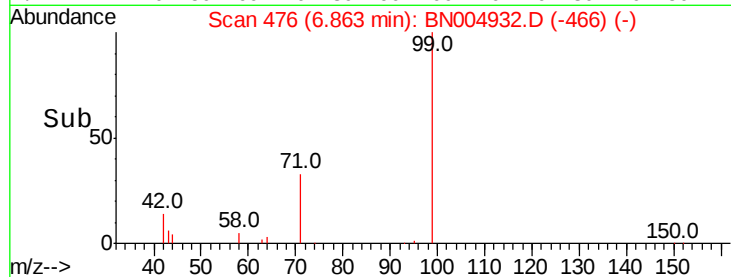
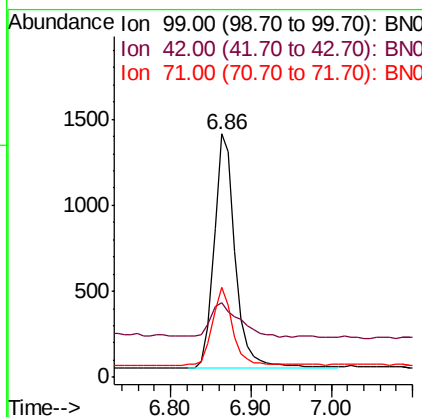
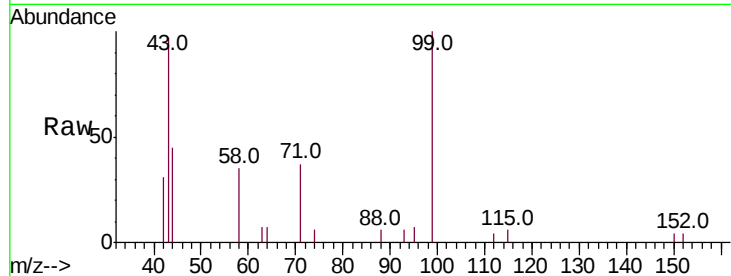
ClientSampleId :

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Tot Ion:	99	Resp:	2458
Ion Ratio	Lower	Upper	
99	100		
42	20.1	12.7	19.1#
71	32.1	26.6	40.0

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#7

Naphthalene-d8

Concen: 0.400 ng

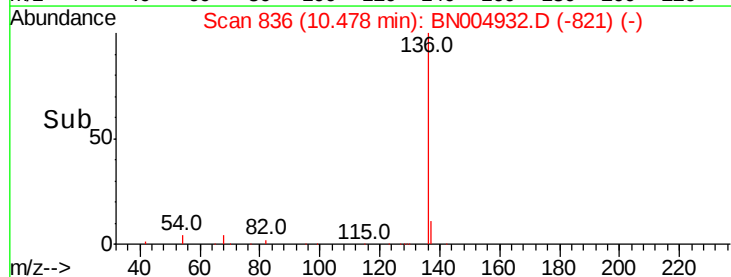
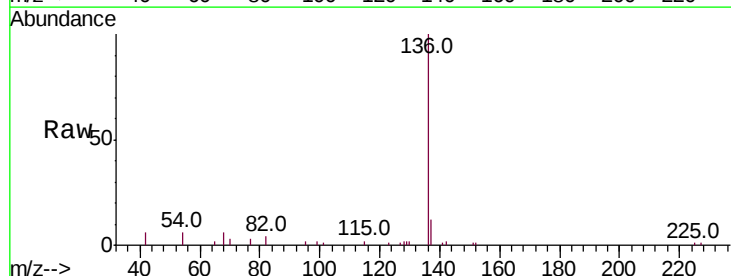
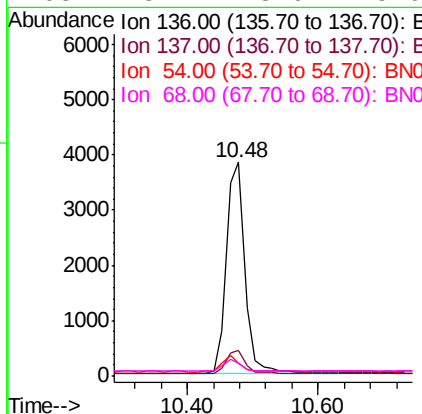
RT: 10.48 min Scan# 836

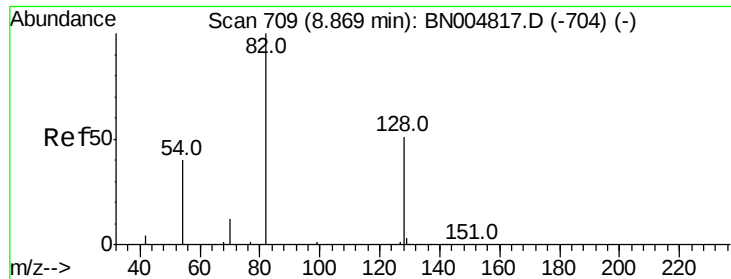
Delta R.T. -0.01 min

Lab File: BN004932.D

Acq: 23 Mar 2019 22:00

Tgt Ion:	136	Resp:	7476
Ion Ratio	Lower	Upper	
136	100		
137	12.3	9.6	14.4
54	6.0	4.2	6.2
68	5.7	3.9	5.9





#8

Nitrobenzene-d5

Concen: 0.391 ng

RT: 8.86 min Scan# 708

Delta R.T. -0.01 min

Lab File: BN004932.D

Acq: 23 Mar 2019 22:00

Instrument :

BNA_N

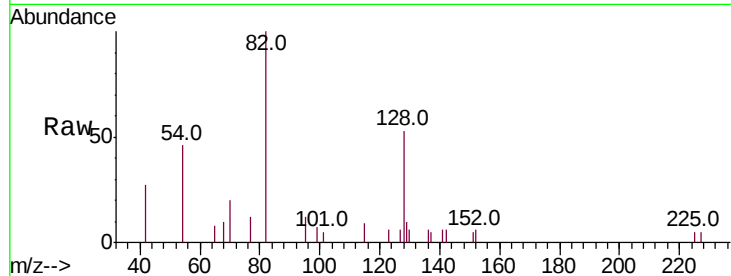
ClientSampleId :

EXT-025-SW039-031919

Tot Ion:	82	Resp:	1936
Ion	Ratio	Lower	Upper
82	100		
128	53.2	43.0	64.6
54	46.4	35.3	52.9

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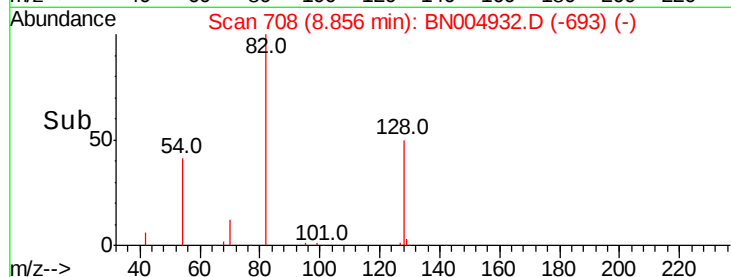


Abundance Ion 82.00 (81.70 to 82.70): BN004817.D (-704) (-)

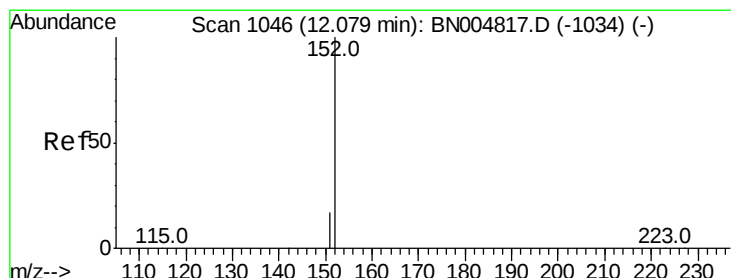
Ion 128.00 (127.70 to 128.70): BN004817.D (-704) (-)

Ion 54.00 (53.70 to 54.70): BN004817.D (-704) (-)

Time-->



Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.326 ng

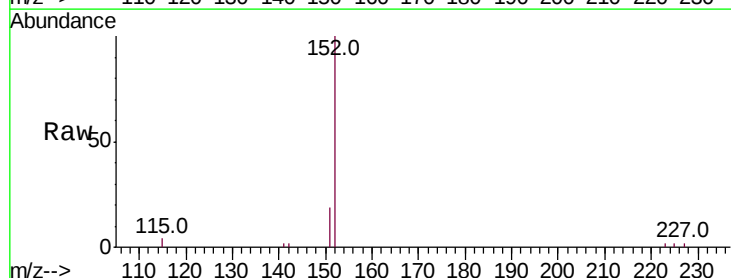
RT: 12.07 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BN004932.D

Acq: 23 Mar 2019 22:00

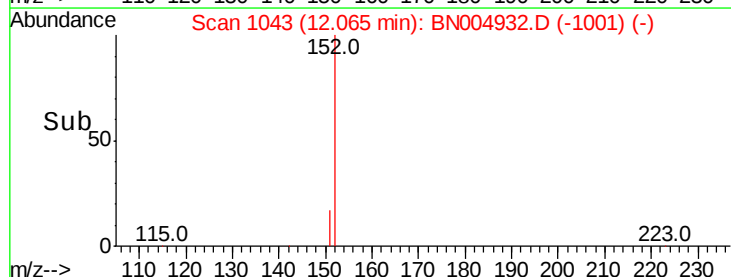
Tgt Ion:	152	Resp:	4252
Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.5	23.3



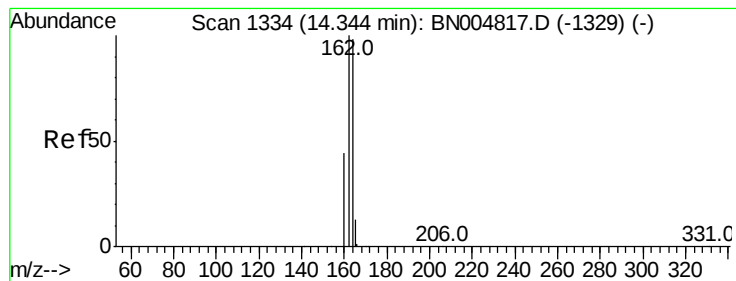
Abundance Ion 152.00 (151.70 to 152.70): BN004817.D (-1034) (-)

Ion 151.00 (150.70 to 151.70): BN004817.D (-1034) (-)

Time-->



Time-->



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004932.D

Acq: 23 Mar 2019 22:00

Instrument :

BNA_N

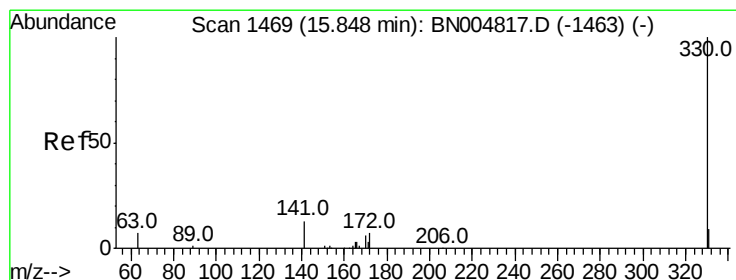
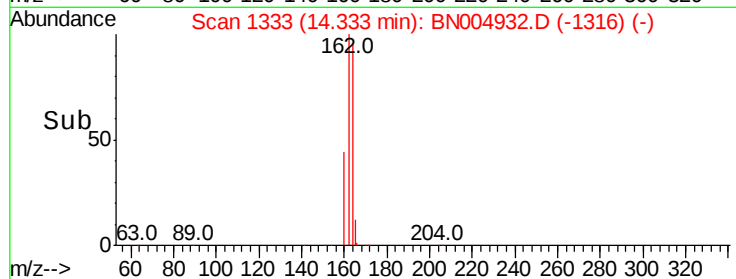
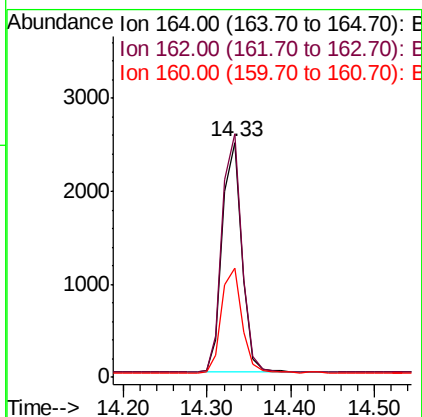
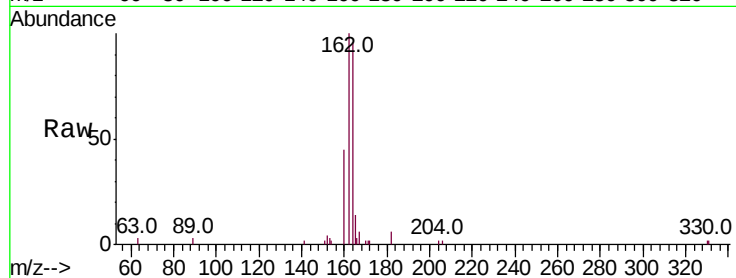
ClientSampleId :

EXT-025-SW039-031919

Tot Ion:	164	Resp:	4020
Ion	Ratio	Lower	Upper
164	100		
162	103.7	81.9	122.9
160	46.5	36.6	54.8

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#14

2,4,6-Tribromophenol

Concen: 0.317 ng

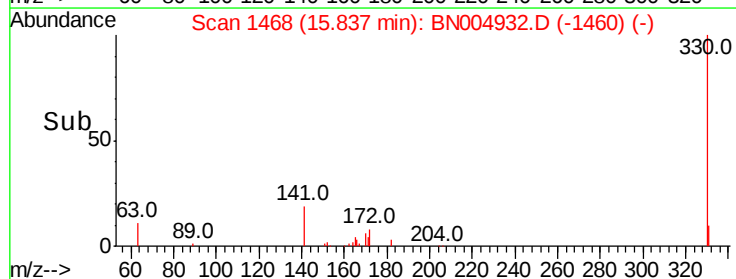
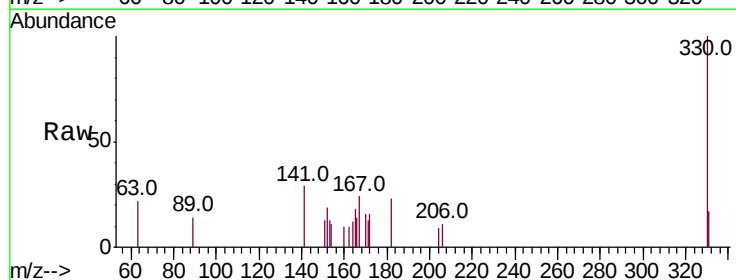
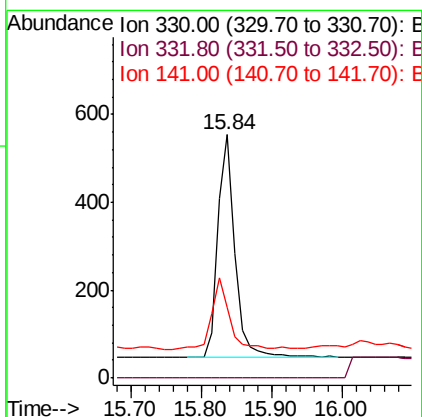
RT: 15.84 min Scan# 1468

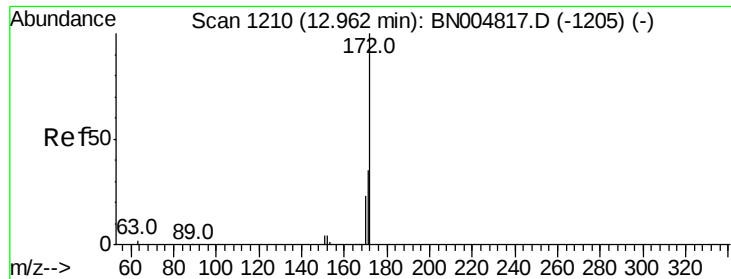
Delta R.T. -0.01 min

Lab File: BN004932.D

Acq: 23 Mar 2019 22:00

Tgt Ion:	330	Resp:	879
Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	32.5	20.9	31.3#





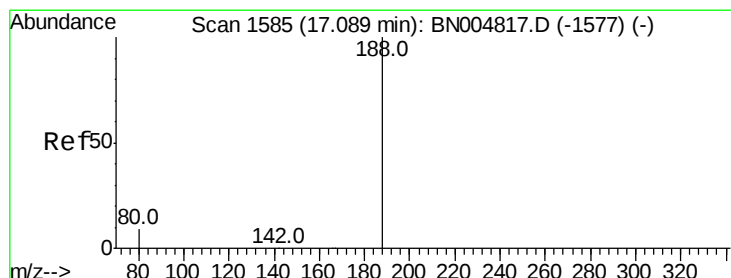
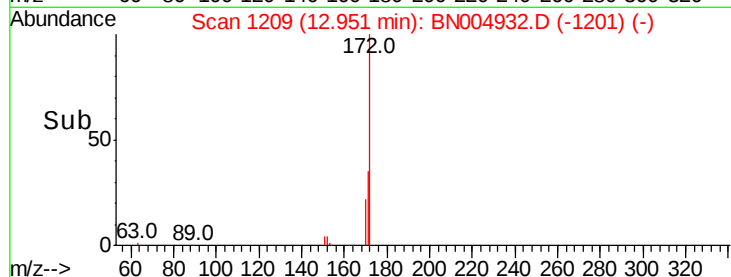
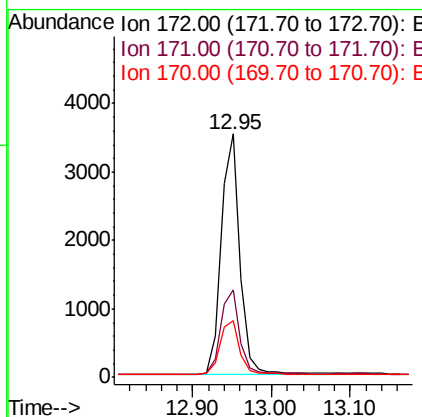
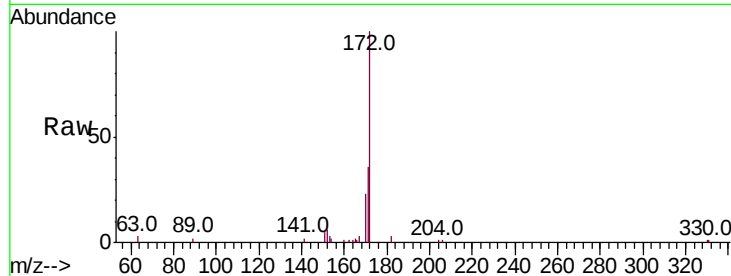
#15
2-Fluorobiphenyl
Concen: 0.352 ng
RT: 12.95 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BN004932.D
Acq: 23 Mar 2019 22:00

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.7	43.1
170	23.5	18.7	28.1

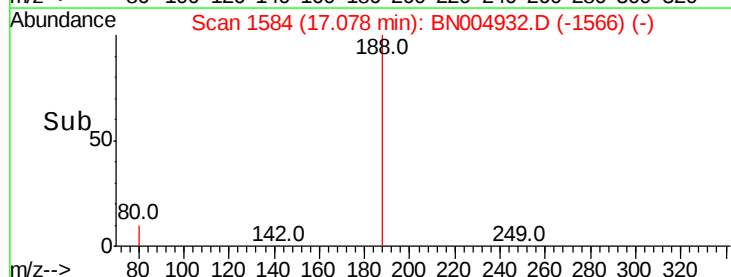
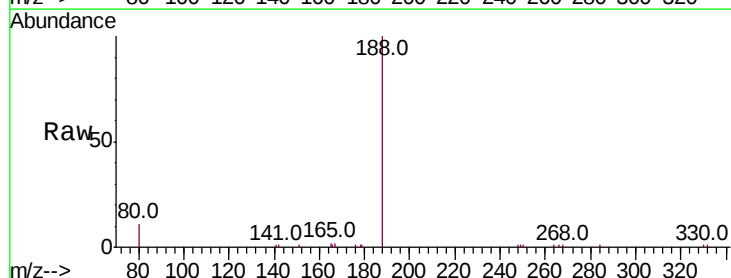
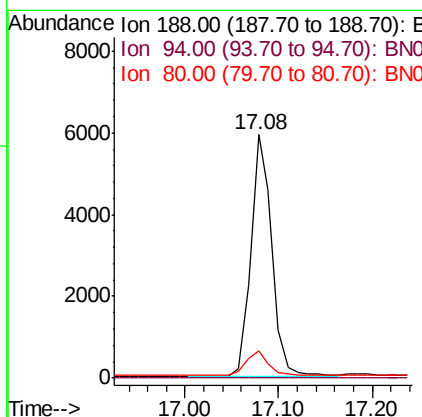
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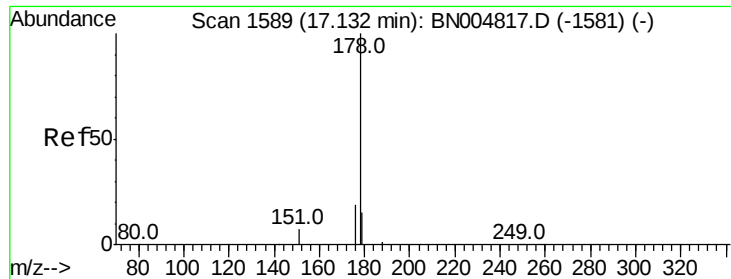
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#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.08 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BN004932.D
Acq: 23 Mar 2019 22:00

Tgt Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.5	7.4	11.2





#23

Phenanthrene

Concen: 0.032 ng/ml

RT: 17.12 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BN004932.D

Acq: 23 Mar 2019 22:00

Instrument :

BNA_N

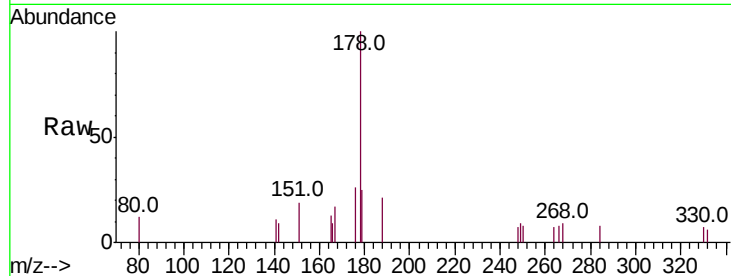
ClientSampleId :

EXT-025-SW039-031919

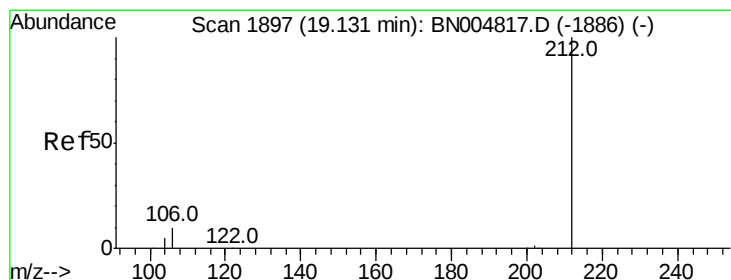
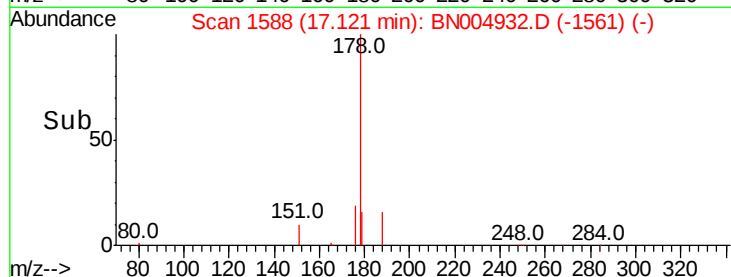
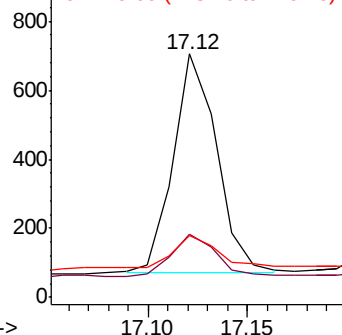
Tot Ion:	178	Resp:	962
Ion Ratio	Lower	Upper	
178	100		
176	3.7	14.9	22.3#
179	2.8	12.1	18.1#

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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: 0.357 ng/ml

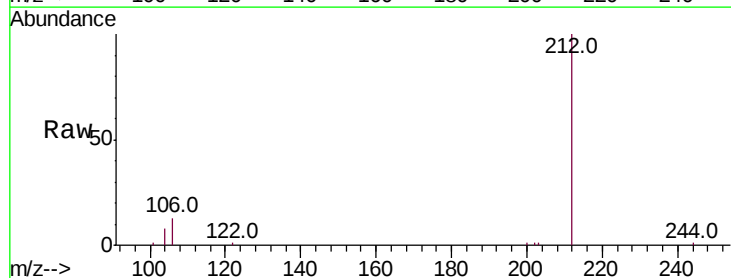
RT: 19.12 min Scan# 1894

Delta R.T. -0.02 min

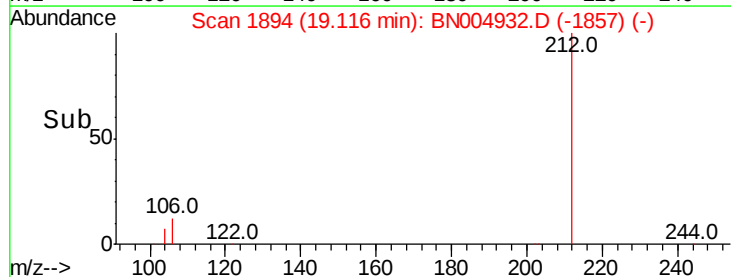
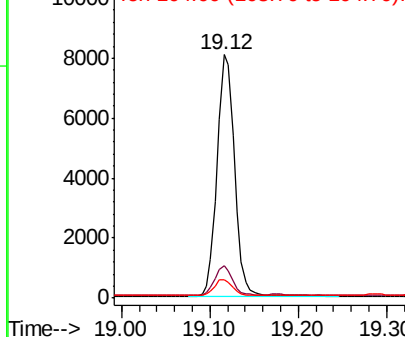
Lab File: BN004932.D

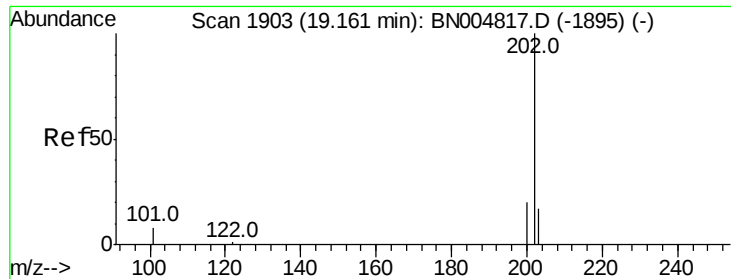
Acq: 23 Mar 2019 22:00

Tgt Ion:	212	Resp:	11043
Ion Ratio	Lower	Upper	
212	100		
106	12.0	8.6	13.0
104	7.0	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





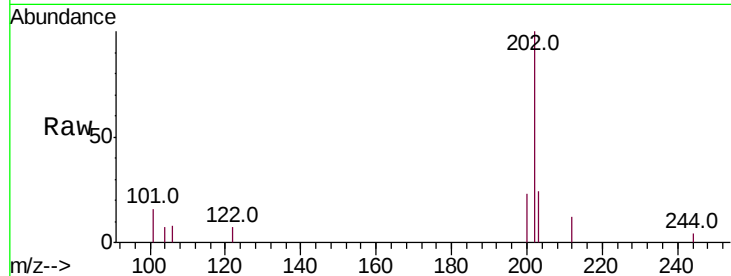
#26
Fluoranthene
Concen: 0.050 ng
RT: 19.15 min Scan# 1901
Delta R.T. -0.01 min
Lab File: BN004932.D
Acq: 23 Mar 2019 22:00

Instrument :
BNA_N
ClientSampleId :
EXT-025-SW039-031919

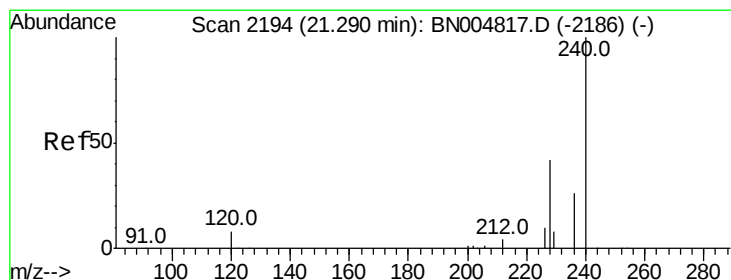
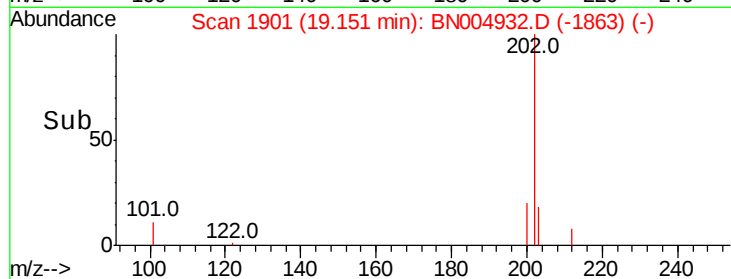
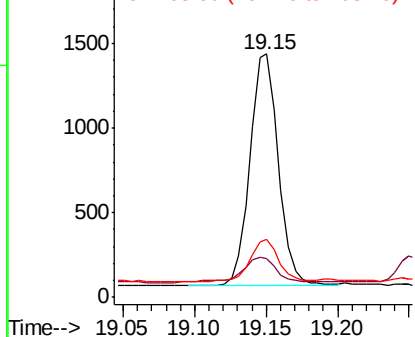
Tot Ion	Ratio	Resp	Lower	Upper
202	100	1912		
101	14.4	7.5	11.3#	
203	17.8	13.8	20.6	

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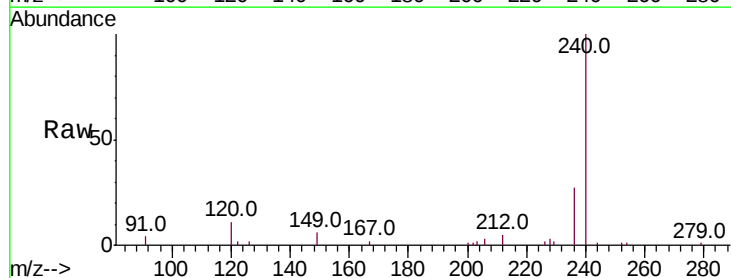


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

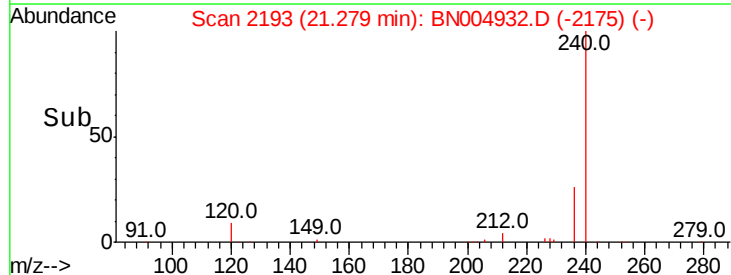
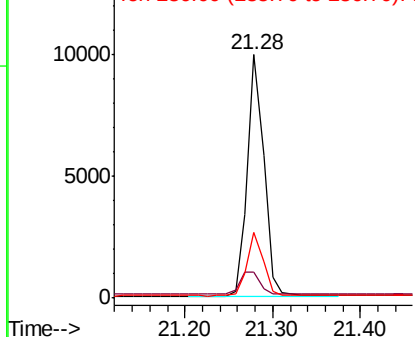


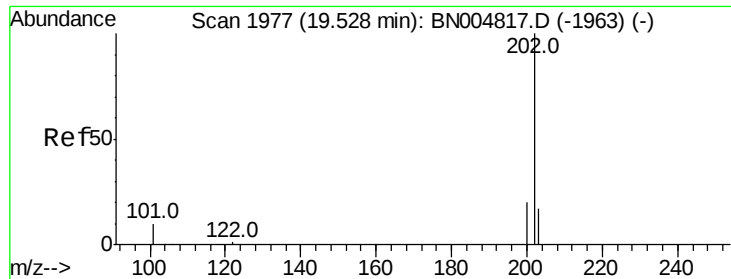
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BN004932.D
Acq: 23 Mar 2019 22:00

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	12979		
120	10.8	7.2	10.8#	
236	27.0	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





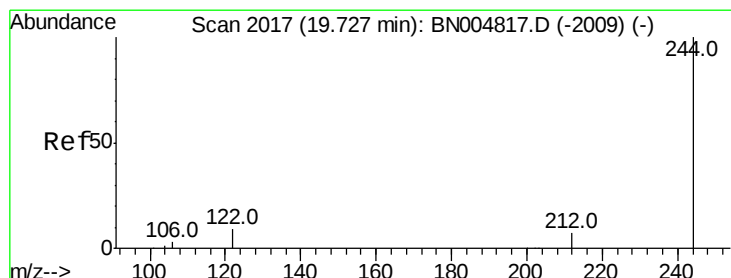
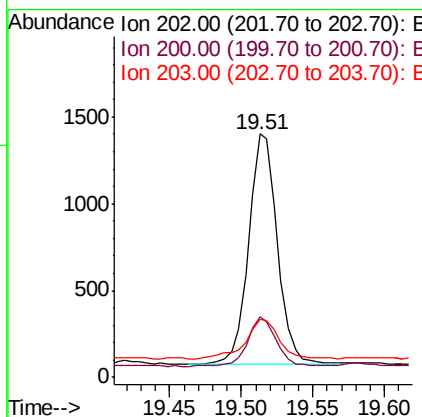
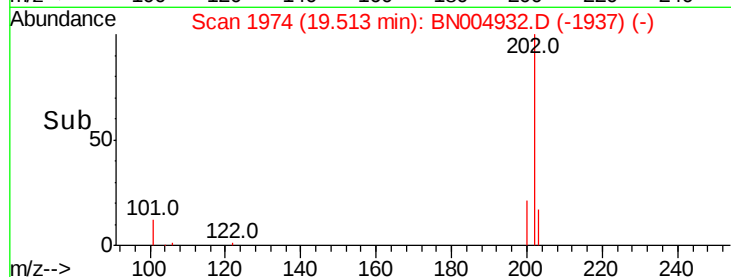
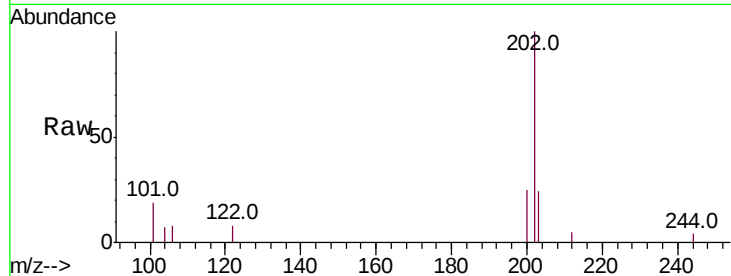
#28
Pvrene
Concen: 0.047 ng
RT: 19.51 min Scan# 1974
Delta R.T. -0.02 min
Lab File: BN004932.D
Acq: 23 Mar 2019 22:00

Instrument :
BNA_N
ClientSampleId :
EXT-025-SW039-031919

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.3	24.5
203	20.0	14.0	21.0

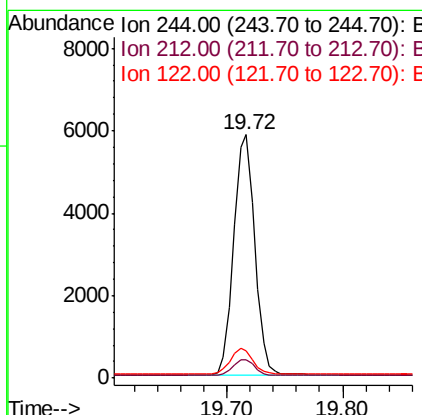
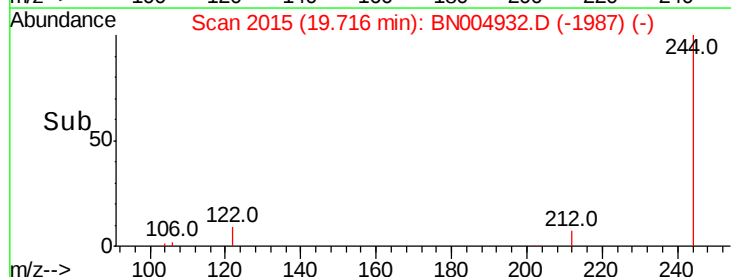
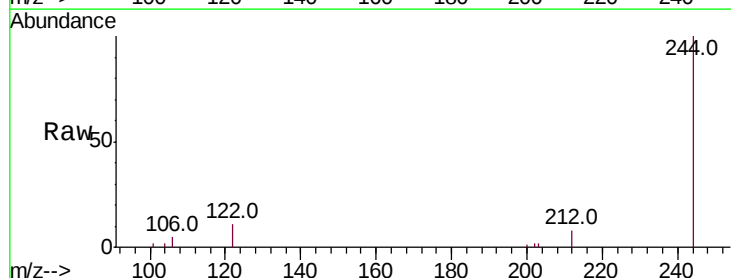
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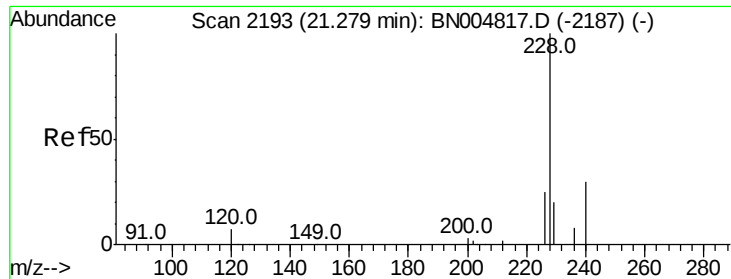
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#29
Terphenyl-d14
Concen: 0.280 ng
RT: 19.72 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BN004932.D
Acq: 23 Mar 2019 22:00

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.8	8.6
122	11.3	7.9	11.9





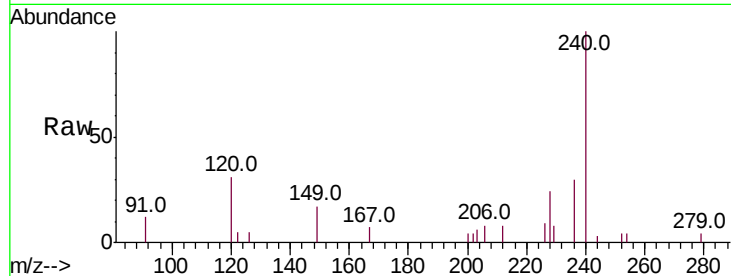
#30
Benzo(a)anthracene
Concen: 0.029 ng
RT: 21.27 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BN004932.D
Acq: 23 Mar 2019 22:00

Instrument :
BNA_N
ClientSampleId :
EXT-025-SW039-031919

Tot Ion	Ratio	Lower	Upper
228	100		
226	38.5	20.6	31.0#
229	33.8	16.2	24.4#

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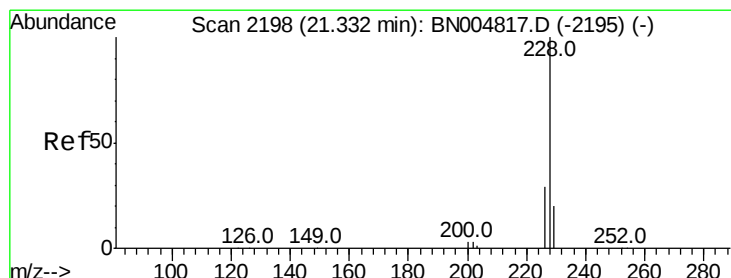
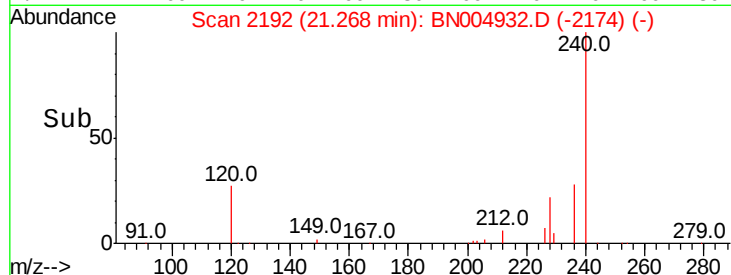
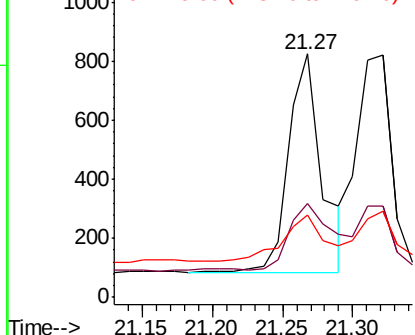


Abundance

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: 0.028 ng
RT: 21.32 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BN004932.D
Acq: 23 Mar 2019 22:00

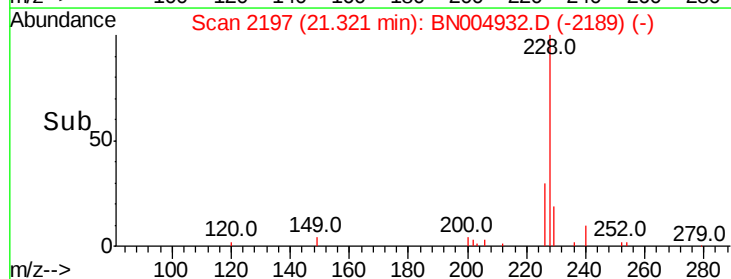
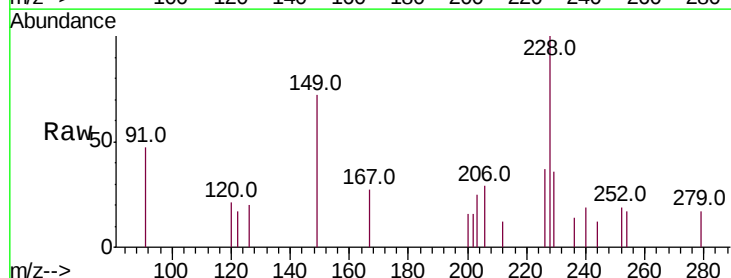
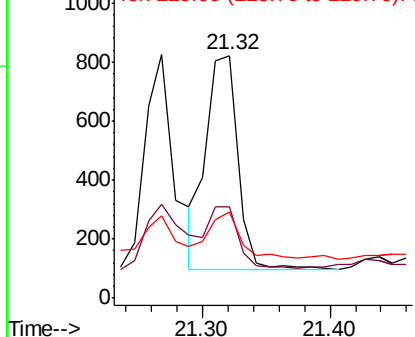
Tgt Ion	Ratio	Lower	Upper
228	100		
226	37.5	23.0	34.6#
229	35.6	16.2	24.2#

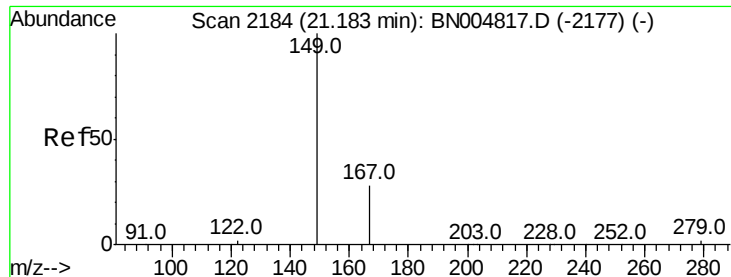
Abundance

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: 0.170 ng

RT: 21.17 min Scan# 2183

Delta R.T. -0.01 min

Lab File: BN004932.D

Acq: 23 Mar 2019 22:00

Instrument :

BNA_N

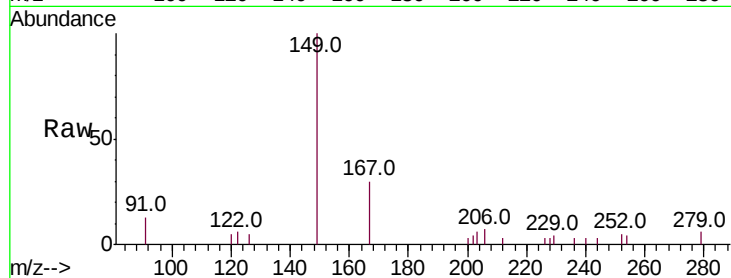
ClientSampleId :

EXT-025-SW039-031919

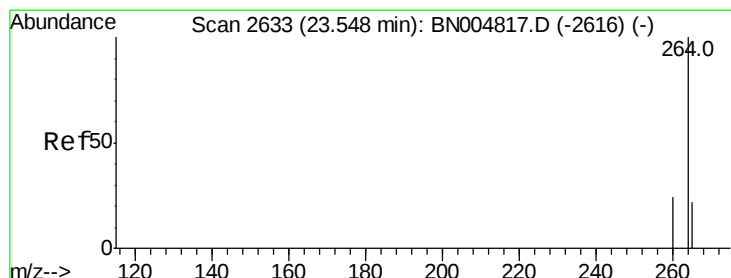
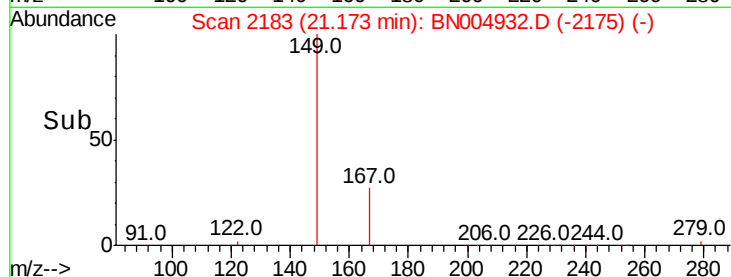
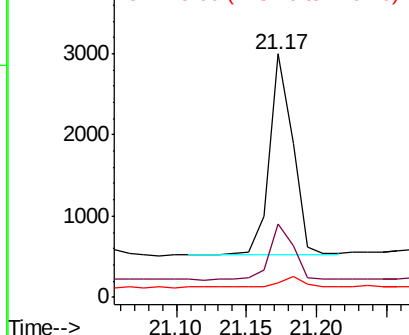
Tot Ion:	149	Resp:	2899
Ion Ratio	Lower	Upper	
149	100		
167	29.0	23.0	34.4
279	7.2	4.6	6.8#

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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



#34

Perylene-d12

Concen: 0.400 ng

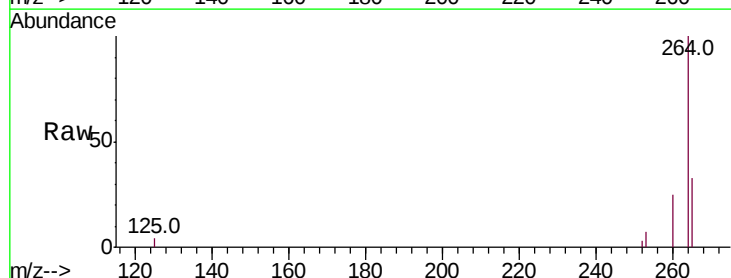
RT: 23.53 min Scan# 2627

Delta R.T. -0.02 min

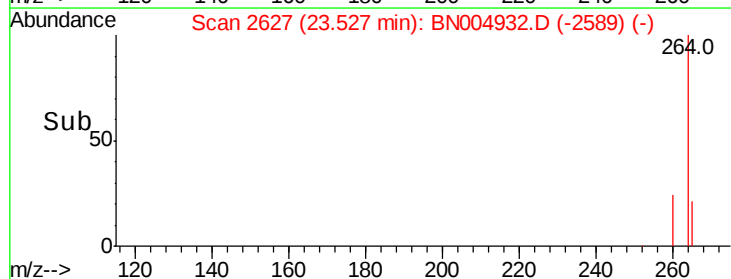
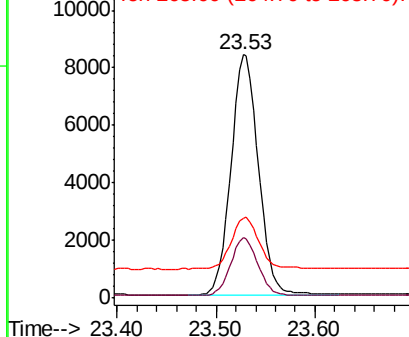
Lab File: BN004932.D

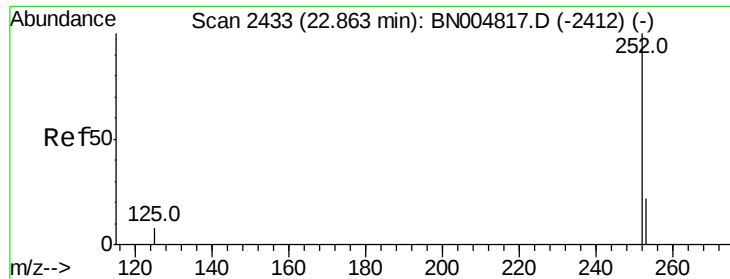
Acq: 23 Mar 2019 22:00

Tgt Ion:	264	Resp:	15909
Ion Ratio	Lower	Upper	
264	100		
260	24.8	19.5	29.3
265	32.9	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





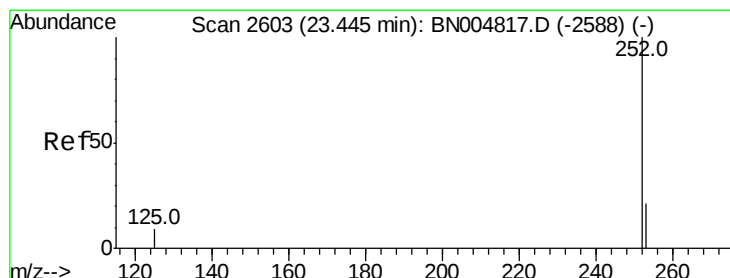
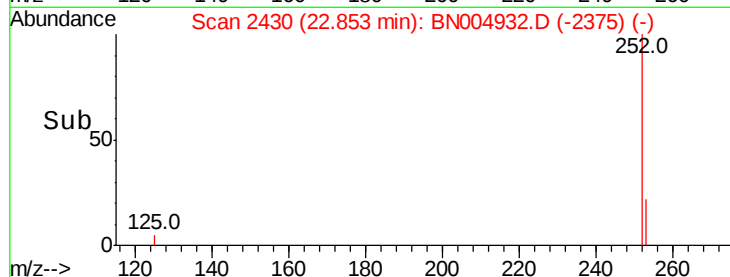
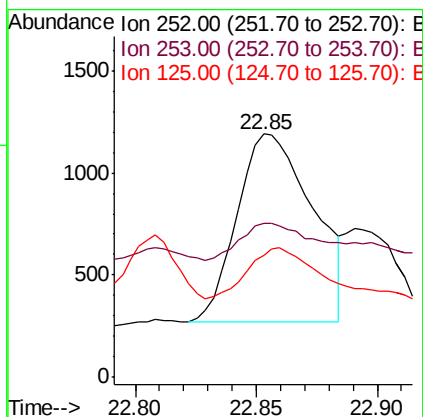
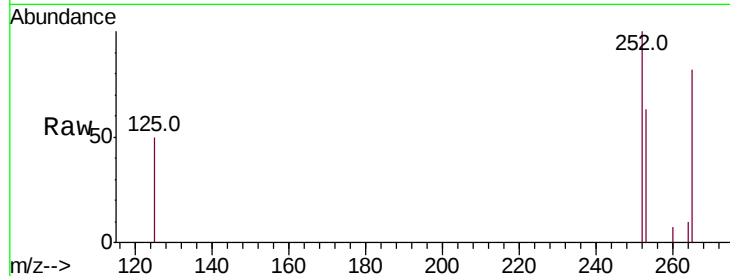
#35
Benzo(b)fluoranthene
Concen: 0.035 ng
RT: 22.85 min Scan# 2430
Delta R.T. -0.01 min
Lab File: BN004932.D
Acq: 23 Mar 2019 22:00

Instrument :
BNA_N
ClientSampleId :
EXT-025-SW039-031919

Tot Ion	Ratio	Lower	Upper
252	100		
253	63.0	19.0	28.4#
125	49.9	7.4	11.2#

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#37
Benzo(a)pyrene
Concen: 0.026 ng
RT: 23.43 min Scan# 2598
Delta R.T. -0.02 min
Lab File: BN004932.D
Acq: 23 Mar 2019 22:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	73.5	19.7	29.5#
125	46.9	8.3	12.5#

