

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082619\
 Data File : BN007423.D
 Acq On : 26 Aug 2019 23:12
 Operator : HP/JU
 Sample : K4453-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 OUTFALL001-190820

Manual Integrations
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 8/30/2019 8:57:23 AM

Quant Time: Aug 27 07:21:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 24 00:38:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	4845	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	20595	0.40	ng	-0.01
13) Acenaphthene-d10	14.05	164	12418	0.40	ng	0.00
19) Phenanthrene-d10	16.80	188	24428	0.40	ng	0.00
27) Chrysene-d12	21.02	240	25696	0.40	ng	0.00
34) Perylene-d12	23.13	264	25698	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.03	112	2431	0.13	ng	0.00
5) Phenol-d6	6.59	99	1860	0.06	ng	0.00
8) Nitrobenzene-d5	8.53	82	6170	0.34	ng	0.00
11) 2-Methylnaphthalene-d10	11.76	152	13132	0.38	ng	0.00
14) 2,4,6-Tribromophenol	15.56	330	666	0.10	ng	0.00
15) 2-Fluorobiphenyl	12.66	172	19342	0.39	ng	0.00
25) Fluoranthene-d10	18.85	212	32403	0.41	ng	0.00
29) Terphenyl-d14	19.47	244	27543	0.41	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.00	88	838	0.104	ng	Qvalue # 60
23) Phenanthrene	16.84	178	1585m	0.022	ng	
26) Fluoranthene	18.88	202	2540	0.027	ng	# 88
28) Pyrene	19.24	202	2262	0.022	ng	# 89
30) Benzo(a)anthracene	21.01	228	3224	0.032	ng	# 1
31) Chrysene	21.06	228	2364	0.024	ng	# 1
32) Bis(2-ethylhexyl)phthalate	20.96	149	8464	0.111	ng	# 91

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

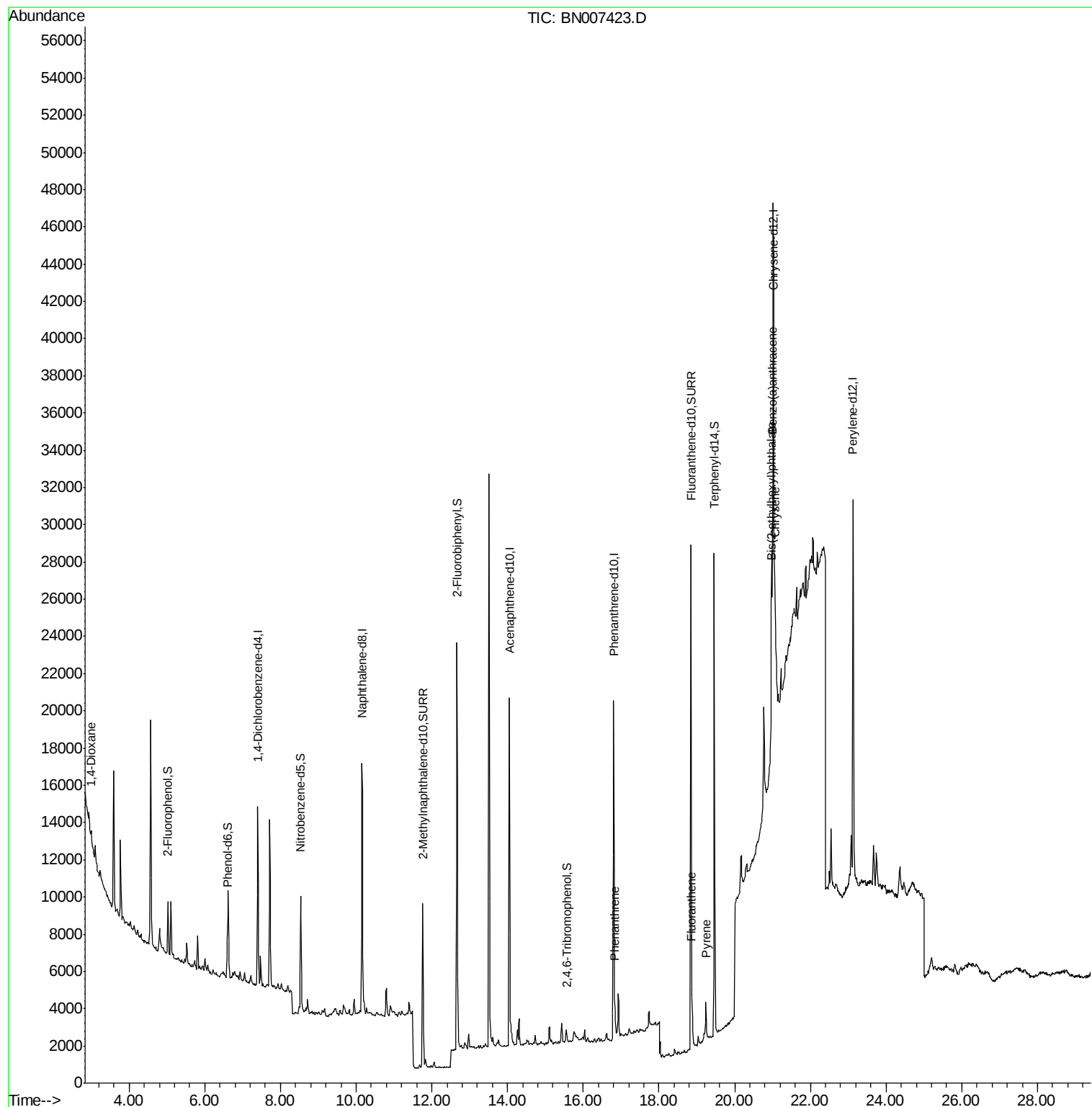
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082619\
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#1

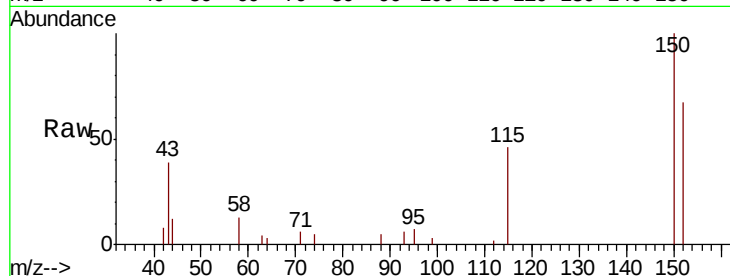
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 568
Delta R.T. -0.00 min
Lab File: BN007423.D
Acq: 26 Aug 2019 23:12

Instrument :
BNA_N
ClientSampleId :
OUTFALL001-190820

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.5	109.1	163.7
115	68.5	59.6	89.4

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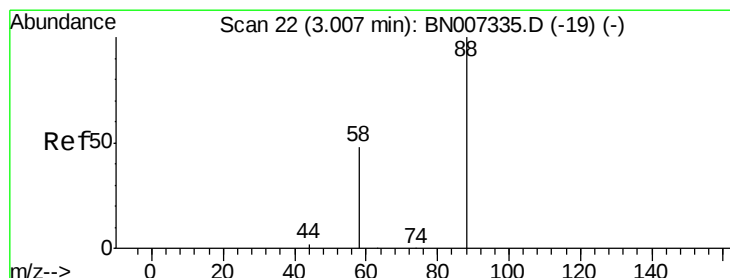
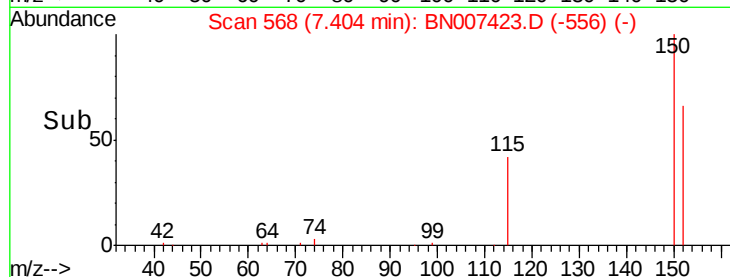
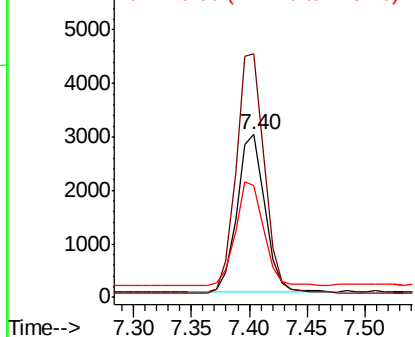


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

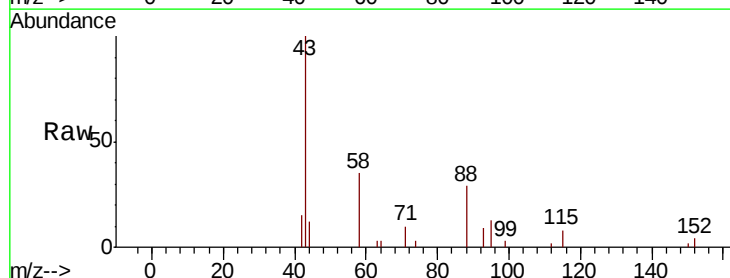
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 0.104 ng
RT: 3.00 min Scan# 21
Delta R.T. -0.01 min
Lab File: BN007423.D
Acq: 26 Aug 2019 23:12

Tgt Ion	Ratio	Lower	Upper
88	100		
58	32.0	50.5	75.7#
43	0.0	0.0	0.0

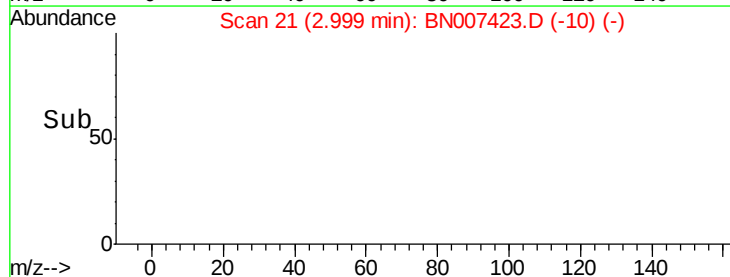
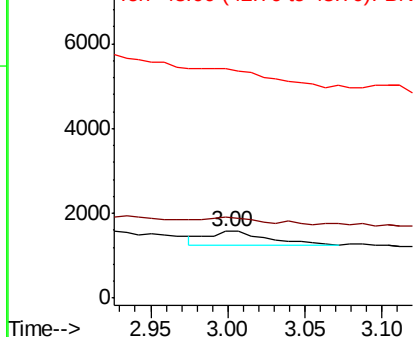


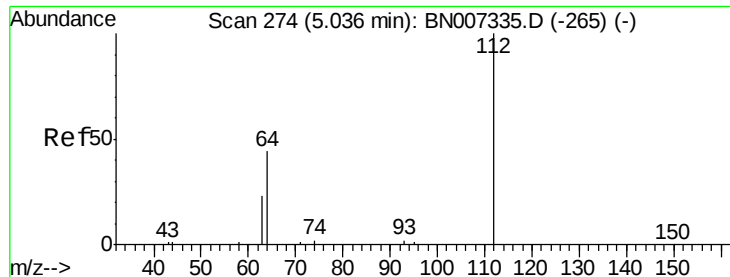
Abundance

Ion 88.00 (87.70 to 88.70): BNC

Ion 58.00 (57.70 to 58.70): BNC

Ion 43.00 (42.70 to 43.70): BNC





#4

2-Fluorophenol

Concen: 0.125 ng

RT: 5.03 min Scan# 273

Delta R.T. -0.01 min

Lab File: BN007423.D

Acq: 26 Aug 2019 23:12

Instrument :

BNA_N

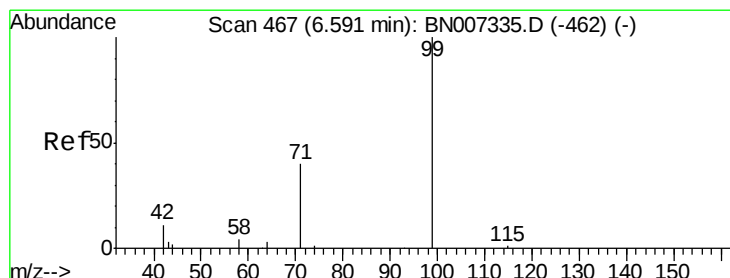
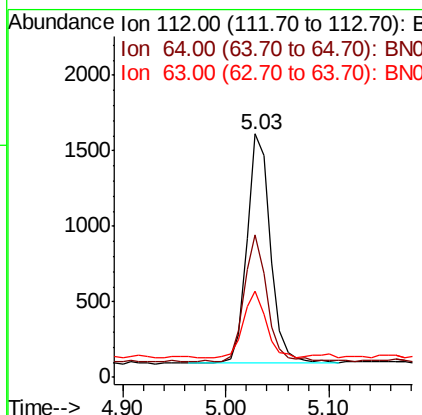
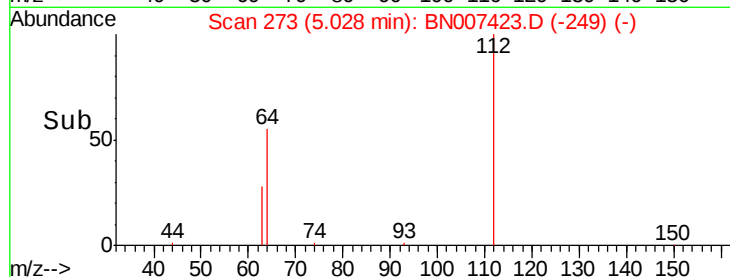
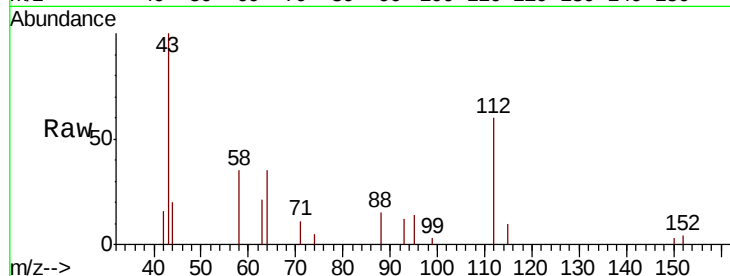
ClientSampleId :

OUTFALL001-190820

Tot Ion:	112	Resp:	2431
Ion Ratio	Lower	Upper	
112	100		
64	54.7	42.3	63.5
63	27.6	23.6	35.4

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#5

Phenol-d6

Concen: 0.061 ng

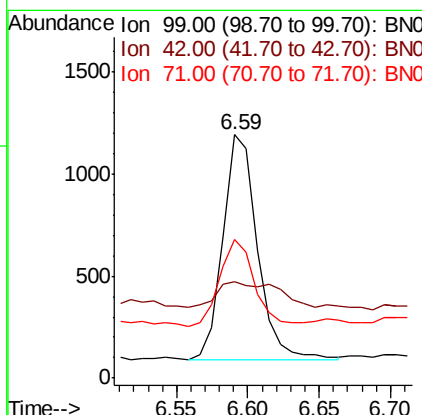
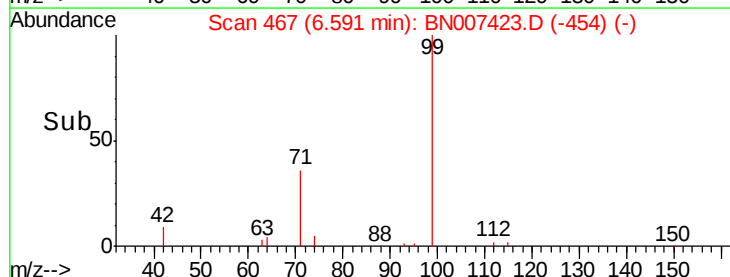
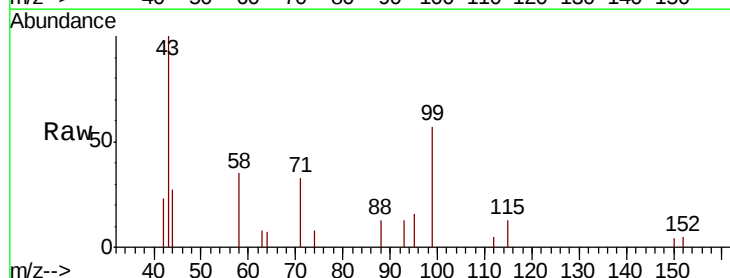
RT: 6.59 min Scan# 467

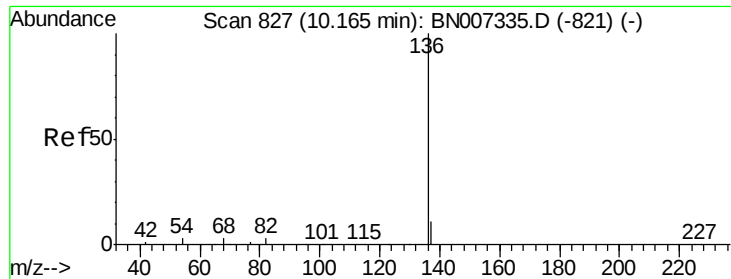
Delta R.T. 0.00 min

Lab File: BN007423.D

Acq: 26 Aug 2019 23:12

Tgt Ion:	99	Resp:	1860
Ion Ratio	Lower	Upper	
99	100		
42	24.1	11.2	16.8#
71	39.2	31.8	47.8





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007423.D

Acq: 26 Aug 2019 23:12

Instrument :

BNA_N

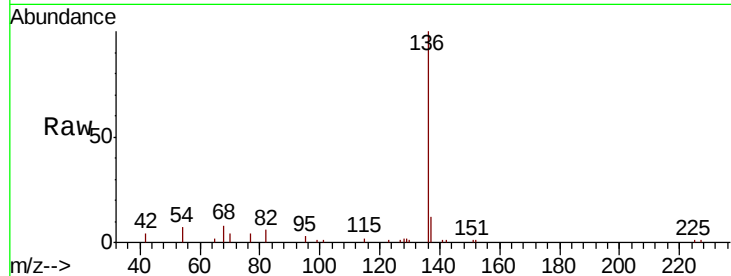
ClientSampleId :

OUTFALL001-190820

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.7	12.9	19.3#
54	6.5	8.6	12.8#
68	8.1	17.0	25.4#

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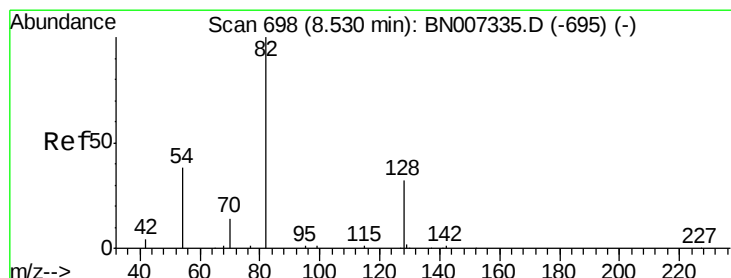
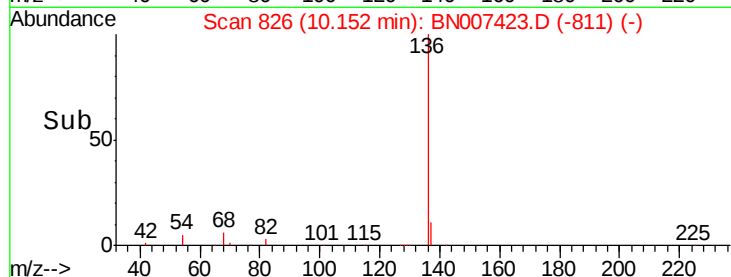
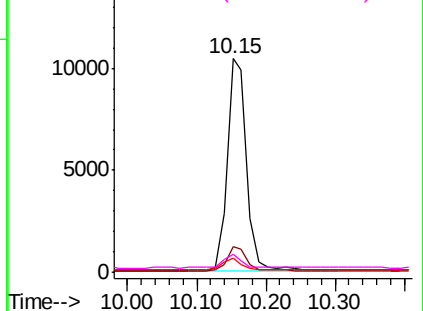
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.344 ng

RT: 8.53 min Scan# 698

Delta R.T. 0.00 min

Lab File: BN007423.D

Acq: 26 Aug 2019 23:12

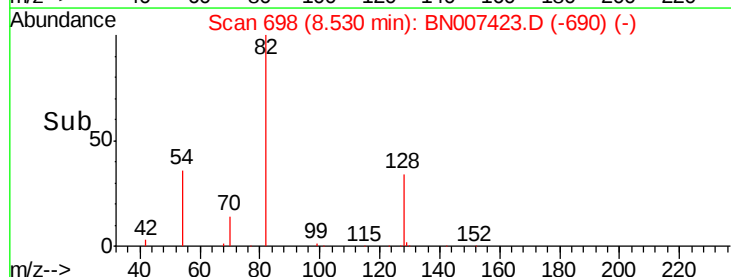
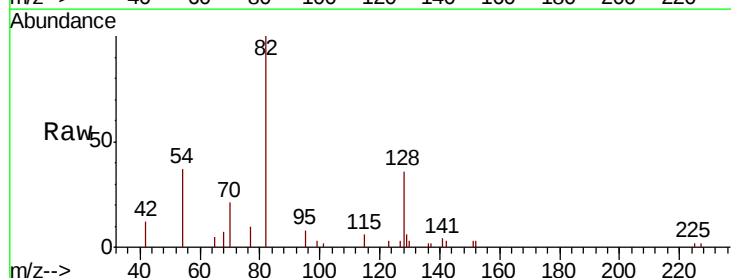
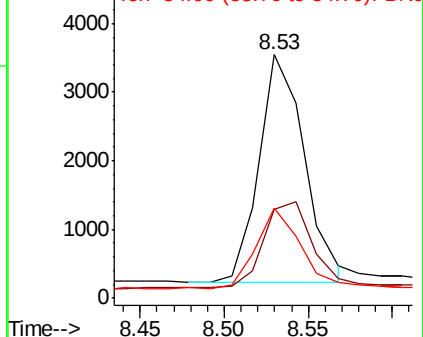
Tgt Ion	Ratio	Lower	Upper
82	100		
128	36.2	19.7	29.5#
54	37.0	25.8	38.6

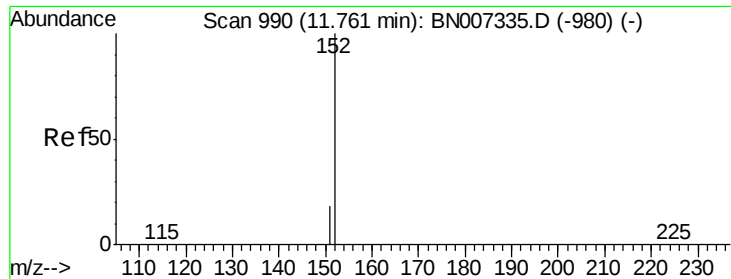
Abundance

Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





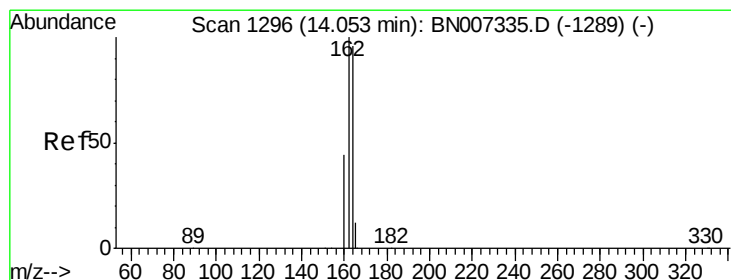
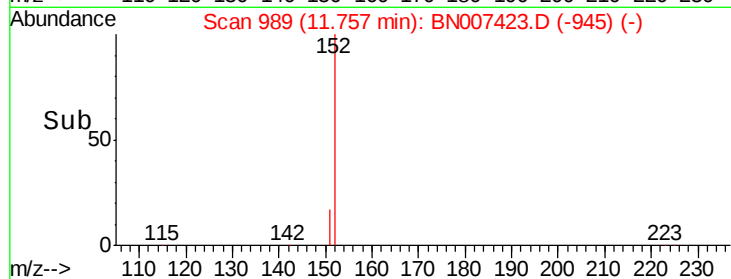
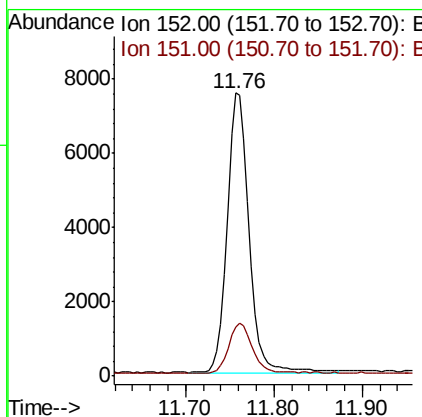
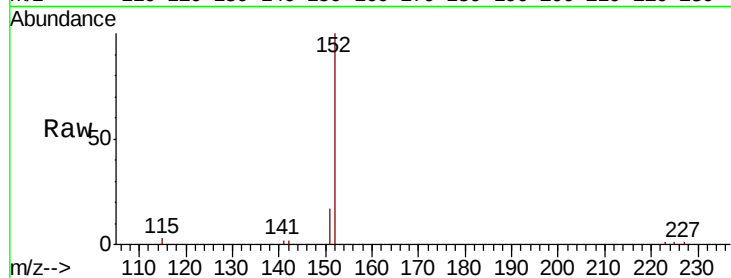
#11
 2-Methylnaphthalene-d10
 Concen: 0.384 ng
 RT: 11.76 min Scan# 989
 Delta R.T. -0.00 min
 Lab File: BN007423.D
 Acq: 26 Aug 2019 23:12

Instrument :
 BNA_N
 ClientSampleId :
 OUTFALL001-190820

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.2	24.2

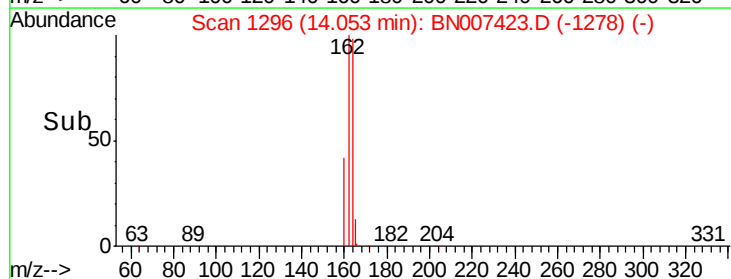
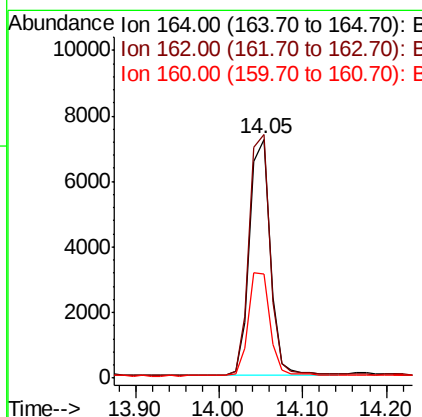
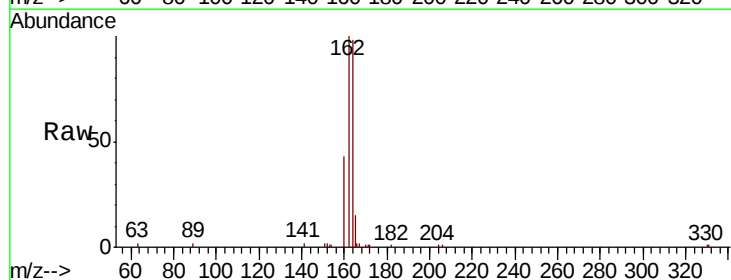
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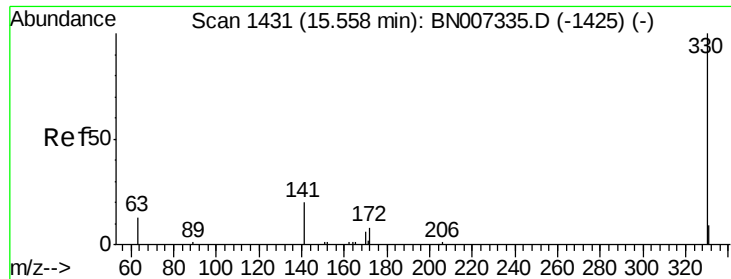
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#13
 Acenaphthene-d10
 Concen: 0.400 ng
 RT: 14.05 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: BN007423.D
 Acq: 26 Aug 2019 23:12

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.9	83.5	125.3
160	43.8	38.2	57.4





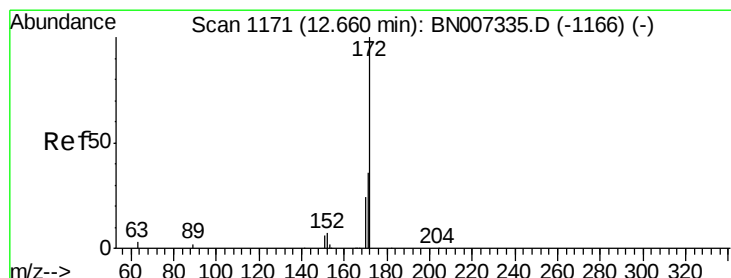
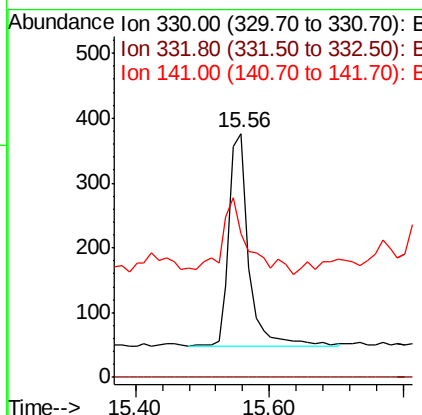
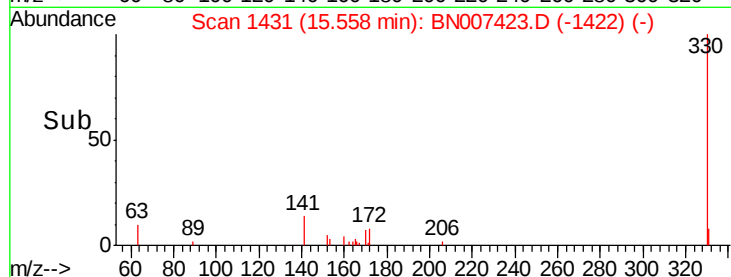
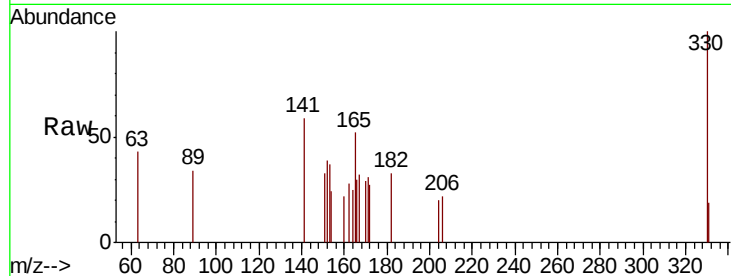
#14
 2,4,6-Tribromophenol
 Concen: 0.103 ng
 RT: 15.56 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: BN007423.D
 Acq: 26 Aug 2019 23:12

Instrument :
 BNA_N
 ClientSampleId :
 OUTFALL001-190820

Tot Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	47.9	26.9	40.3

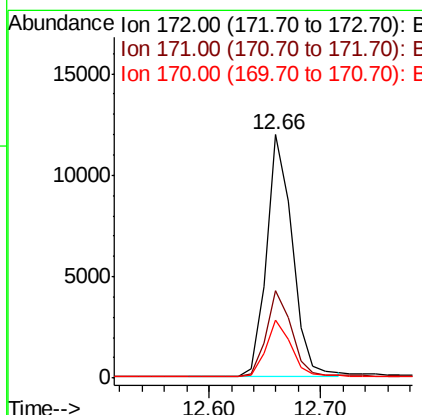
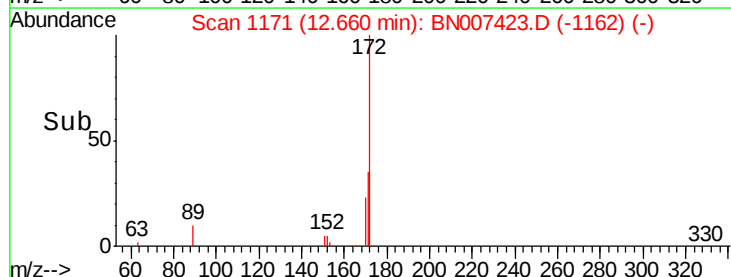
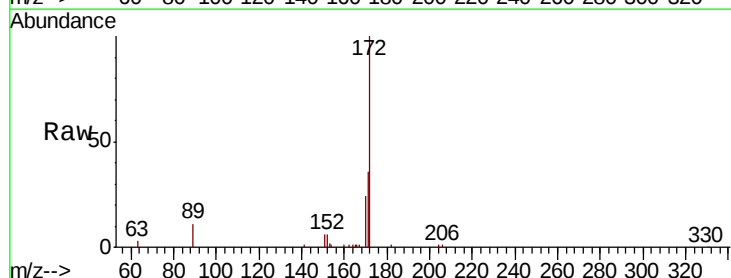
Manual Integrations
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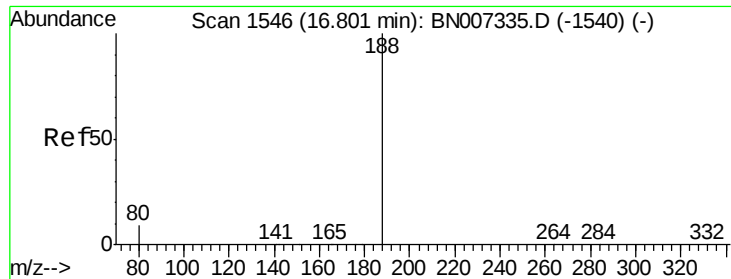
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#15
 2-Fluorobiphenyl
 Concen: 0.386 ng
 RT: 12.66 min Scan# 1171
 Delta R.T. -0.00 min
 Lab File: BN007423.D
 Acq: 26 Aug 2019 23:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	30.3	45.5
170	23.6	20.7	31.1





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.80 min Scan# 1546

Delta R.T. -0.00 min

Lab File: BN007423.D

Acq: 26 Aug 2019 23:12

Instrument :

BNA_N

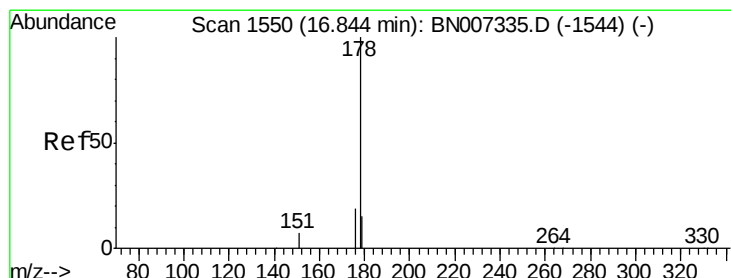
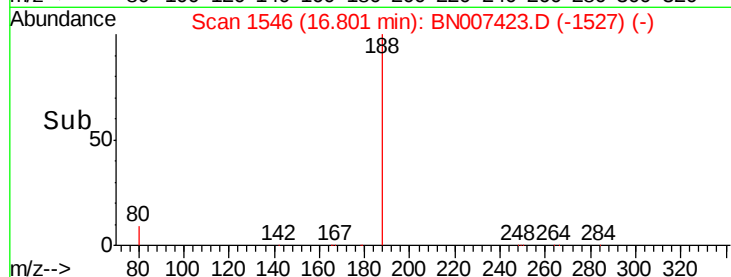
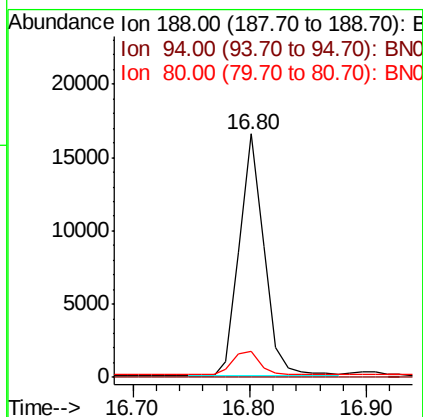
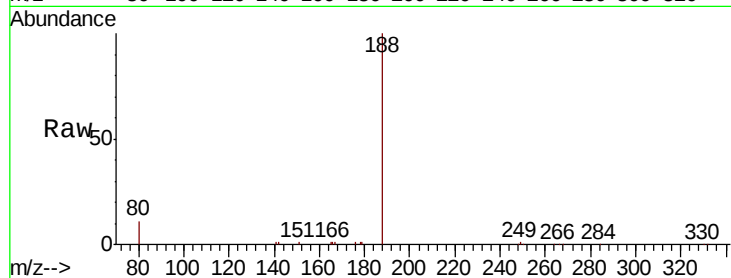
ClientSampleId :

OUTFALL001-190820

Tot Ion:	188	Resp:	24428
Ion Ratio	Lower	Upper	
188	100		
94	0.0	0.0	0.0
80	10.6	11.8	17.8#

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#23

Phenanthrene

Concen: 0.022 ng m

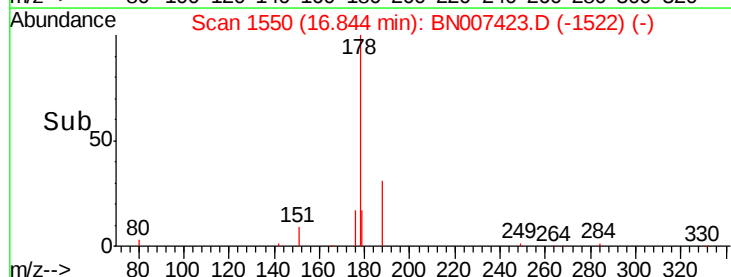
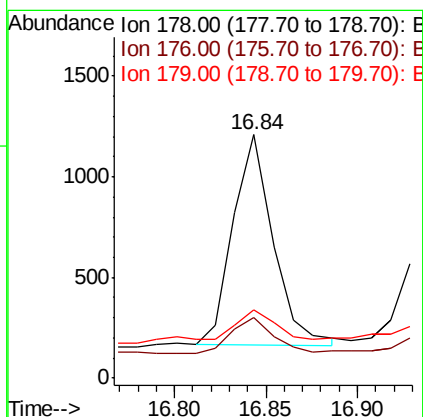
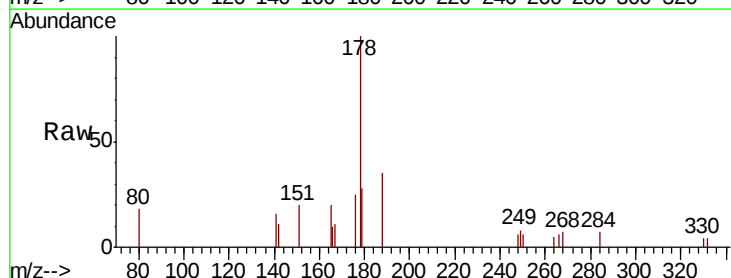
RT: 16.84 min Scan# 1550

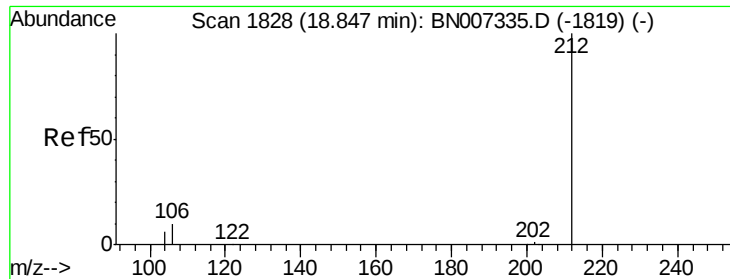
Delta R.T. -0.00 min

Lab File: BN007423.D

Acq: 26 Aug 2019 23:12

Tgt Ion:	178	Resp:	1585
Ion Ratio	Lower	Upper	
178	100		
176	9.3	15.3	22.9#
179	8.6	12.6	19.0#





#25

Fluoranthene-d10

Concen: 0.412 ng

RT: 18.85 min Scan# 1828

Delta R.T. -0.00 min

Lab File: BN007423.D

Acq: 26 Aug 2019 23:12

Instrument :

BNA_N

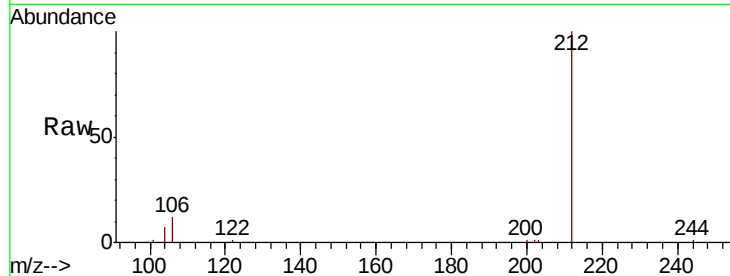
ClientSampleId :

OUTFALL001-190820

Tot Ion:	212	Resp:	32403
Ion Ratio	Lower	Upper	
212	100		
106	11.6	9.0	13.4
104	6.5	5.4	8.2

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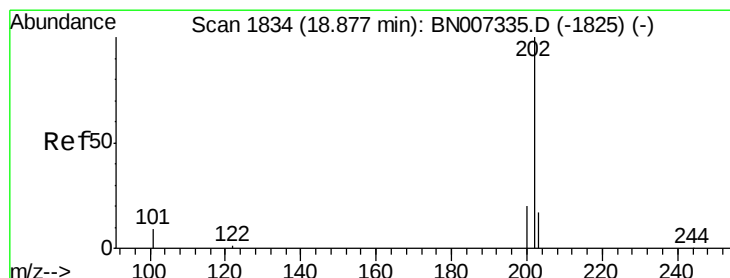
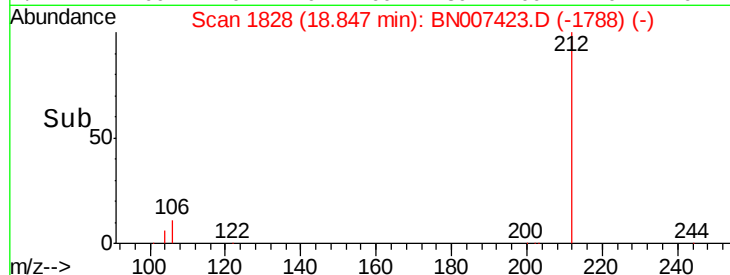
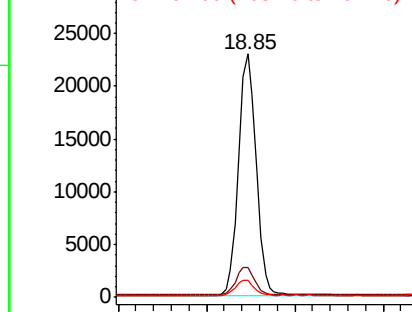


Abundance

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: 0.027 ng

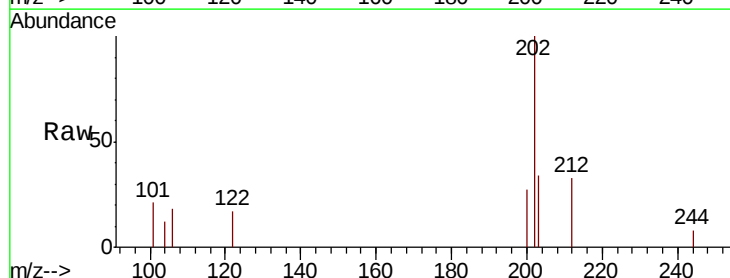
RT: 18.88 min Scan# 1834

Delta R.T. -0.00 min

Lab File: BN007423.D

Acq: 26 Aug 2019 23:12

Tgt Ion:	202	Resp:	2540
Ion Ratio	Lower	Upper	
202	100		
101	7.0	7.7	11.5#
203	23.8	13.7	20.5#

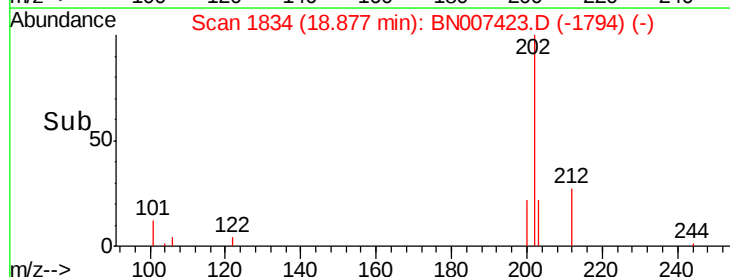
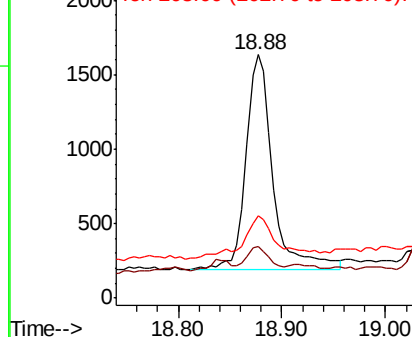


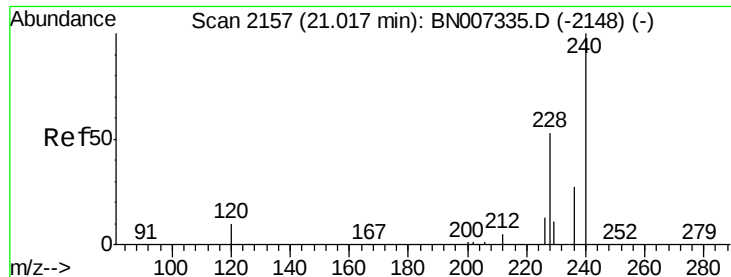
Abundance

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: 21.02 min Scan# 2157

Delta R.T. 0.00 min

Lab File: BN007423.D

Acq: 26 Aug 2019 23:12

Instrument :

BNA_N

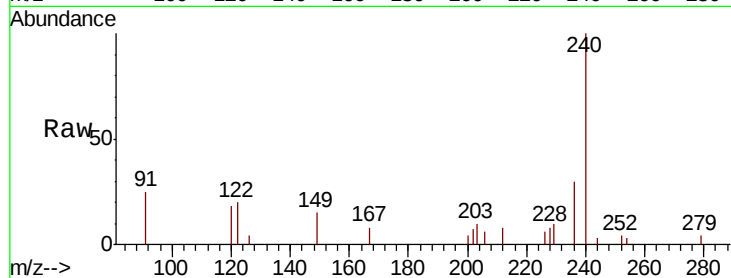
ClientSampleId :

OUTFALL001-190820

Tot Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	17.7	9.6	14.4#		
236	29.6	22.2	33.2		

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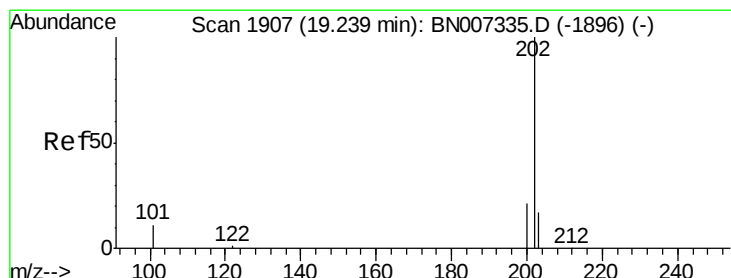
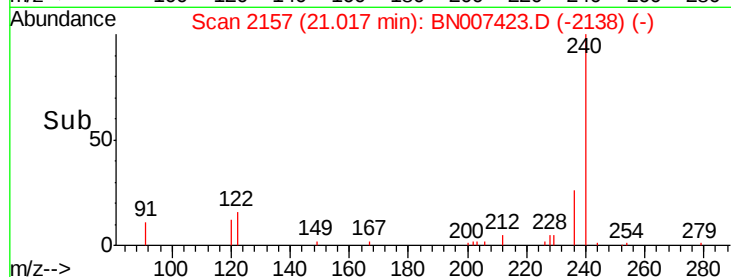
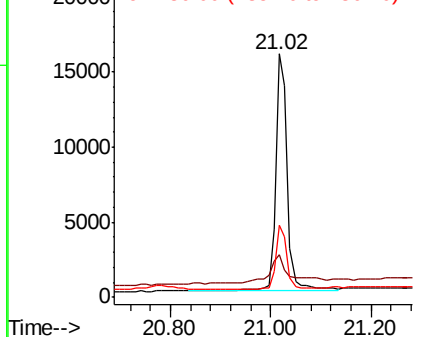


Abundance

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

Pyrene

Concen: 0.022 ng

RT: 19.24 min Scan# 1908

Delta R.T. 0.00 min

Lab File: BN007423.D

Acq: 26 Aug 2019 23:12

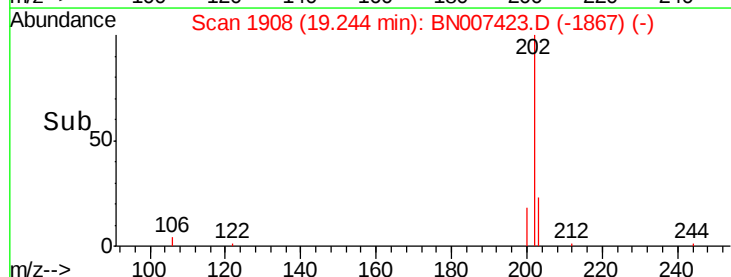
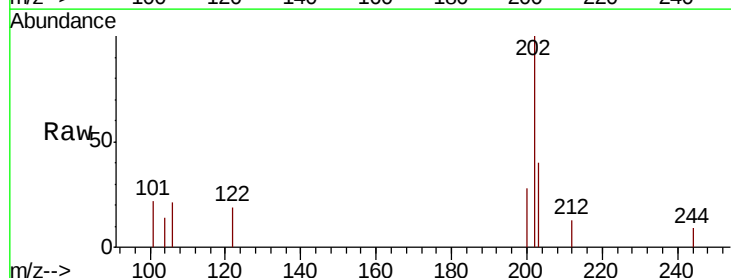
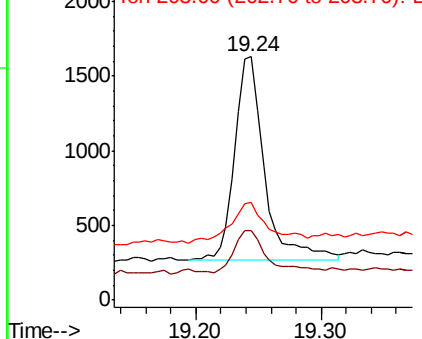
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	22.6	16.6	25.0		
203	26.4	14.2	21.4#		

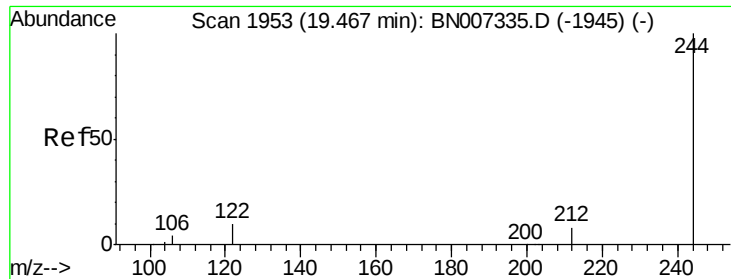
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.410 ng

RT: 19.47 min Scan# 1953

Delta R.T. -0.00 min

Lab File: BN007423.D

Acq: 26 Aug 2019 23:12

Instrument :

BNA_N

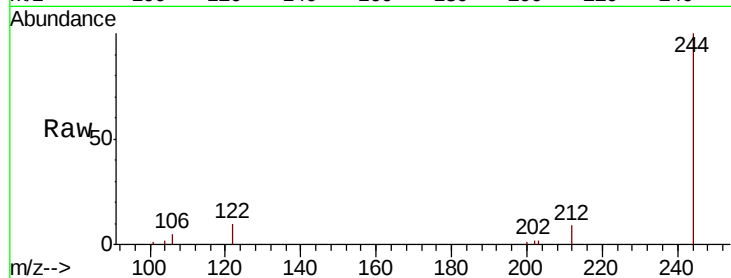
ClientSampleId :

OUTFALL001-190820

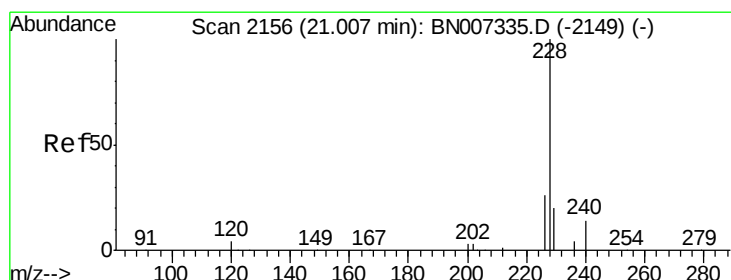
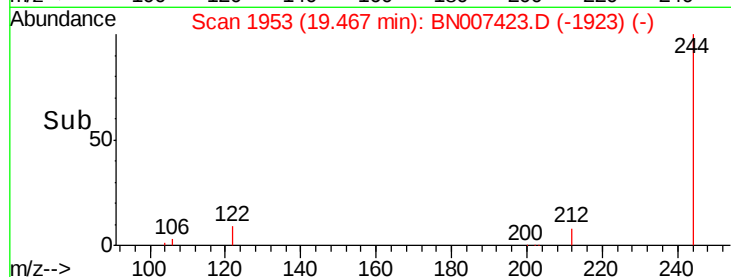
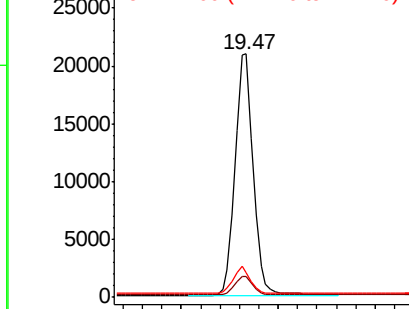
Tot Ion:	244	Resp:	27543
Ion Ratio	Lower	Upper	
244	100		
212	8.5	7.0	10.6
122	10.3	9.6	14.4

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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: 0.032 ng

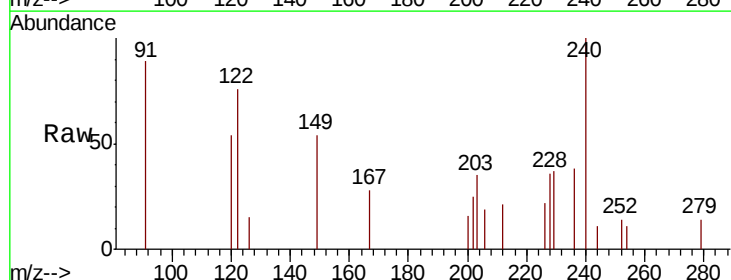
RT: 21.01 min Scan# 2156

Delta R.T. -0.00 min

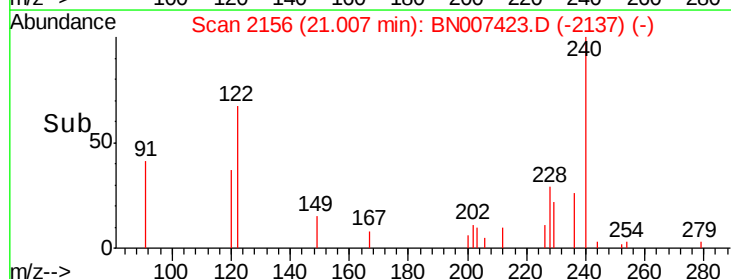
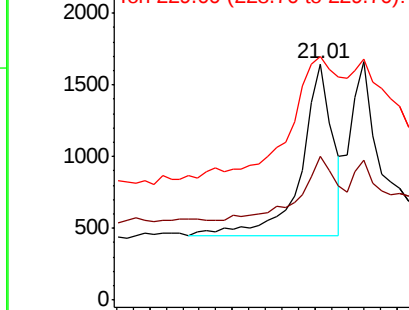
Lab File: BN007423.D

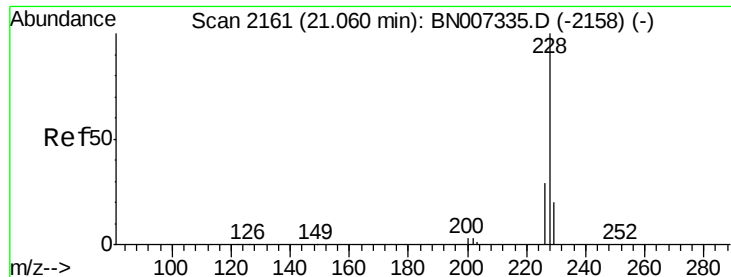
Acq: 26 Aug 2019 23:12

Tgt Ion:	228	Resp:	3224
Ion Ratio	Lower	Upper	
228	100		
226	61.0	21.3	31.9#
229	103.2	16.1	24.1#



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





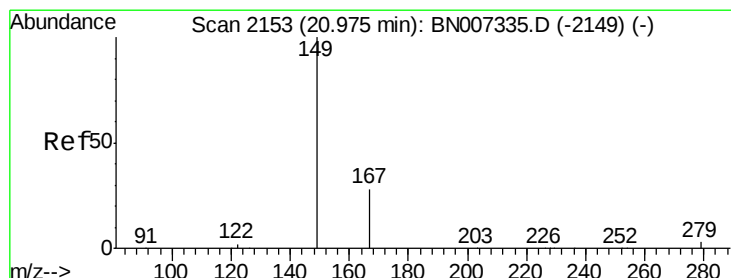
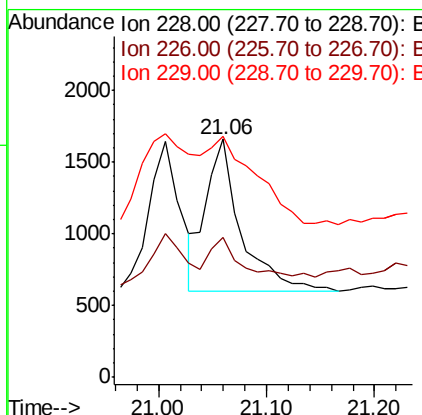
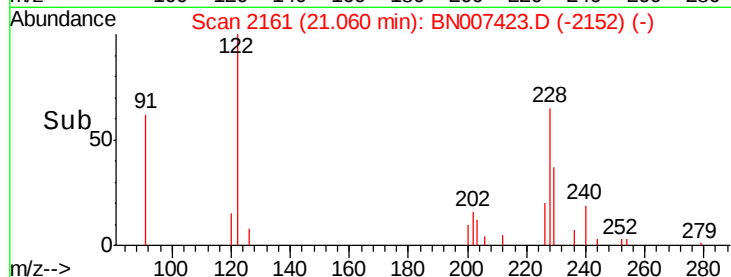
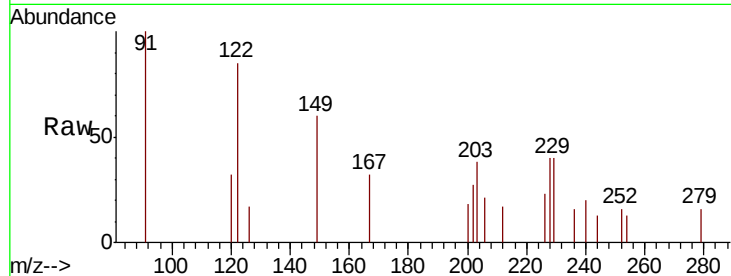
#31
 Chrysene
 Concen: 0.024 ng
 RT: 21.06 min Scan# 2161
 Delta R.T. -0.00 min
 Lab File: BN007423.D
 Acq: 26 Aug 2019 23:12

Instrument :
 BNA_N
 ClientSampleId :
 OUTFALL001-190820

Tot Ion	Ratio	Lower	Upper
228	100		
226	58.7	23.5	35.3#
229	101.4	16.6	24.8#

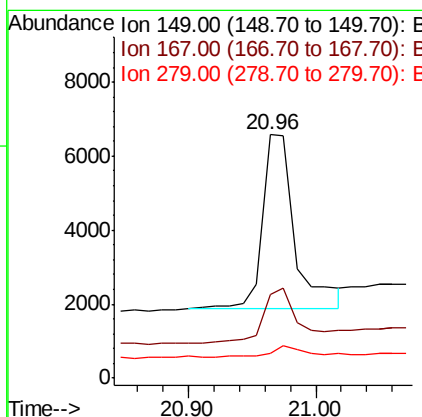
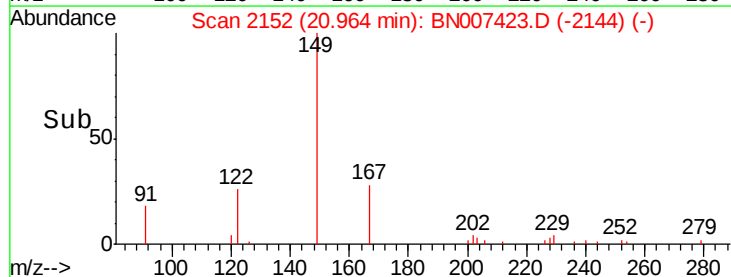
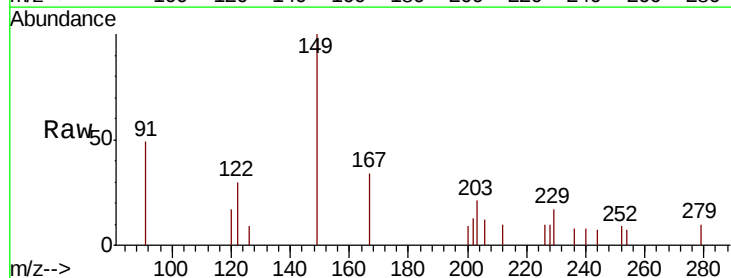
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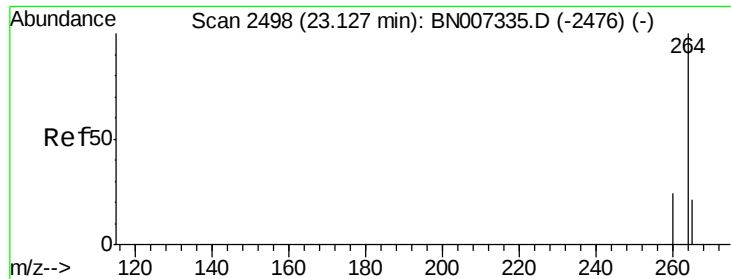
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#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.111 ng
 RT: 20.96 min Scan# 2152
 Delta R.T. -0.01 min
 Lab File: BN007423.D
 Acq: 26 Aug 2019 23:12

Tgt Ion	Ratio	Lower	Upper
149	100		
167	33.7	22.8	34.2
279	6.5	3.5	5.3#





#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.13 min Scan# 2498
Delta R.T. -0.00 min
Lab File: BN007423.D
Acq: 26 Aug 2019 23:12

Instrument :
BNA_N
ClientSampleId :
OUTFALL001-190820

Tot Ion:	264	Resp:	25698
Ion Ratio	Lower	Upper	
264	100		
260	27.9	19.7	29.5
265	39.3	29.9	44.9

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