

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031020\
 Data File : BN010171.D
 Acq On : 10 Mar 2020 21:52
 Operator : CG/JU
 Sample : L1842-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 RE132D7-20200304

Manual Integrations
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Quant Time: Mar 11 12:00:34 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN021920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 19 15:57:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.37	152	755	0.40	ng	-0.05
7) Naphthalene-d8	10.14	136	2493	0.40	ng	-0.04
13) Acenaphthene-d10	14.00	164	1683	0.40	ng	-0.06
19) Phenanthrene-d10	16.78	188	3390	0.40	ng	-0.03
27) Chrysene-d12	20.99	240	3988	0.40	ng	-0.04
34) Perylene-d12	23.09	264	4289	0.40	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.05	112	130	0.08	ng	-0.03
5) Phenol-d6	6.61	99	117	0.06	ng	-0.03
8) Nitrobenzene-d5	8.61	82	578	0.28	ng	0.01
11) 2-Methylnaphthalene-d10	11.75	152	1290	0.27	ng	-0.03
14) 2,4,6-Tribromophenol	15.56	330	128	0.20	ng	-0.02
15) 2-Fluorobiphenyl	12.63	172	1985	0.31	ng	-0.06
25) Fluoranthene-d10	18.82	212	3276	0.28	ng	-0.04
29) Terphenyl-d14	19.43	244	3383	0.36	ng	-0.05

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.03	88	1191m	1.540	ng	
23) Phenanthrene	16.83	178	239	0.024	ng	# 95
24) Anthracene	16.93	178	179	0.021	ng	# 95
26) Fluoranthene	18.85	202	305	0.025	ng	# 80
28) Pyrene	19.22	202	330	0.022	ng	# 92
30) Benzo(a)anthracene	20.98	228	360	0.027	ng	# 63
31) Chrysene	21.04	228	379	0.025	ng	# 67
39) Benzo(g,h,i)perylene	25.78	276	442	0.029	ng	# 38

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

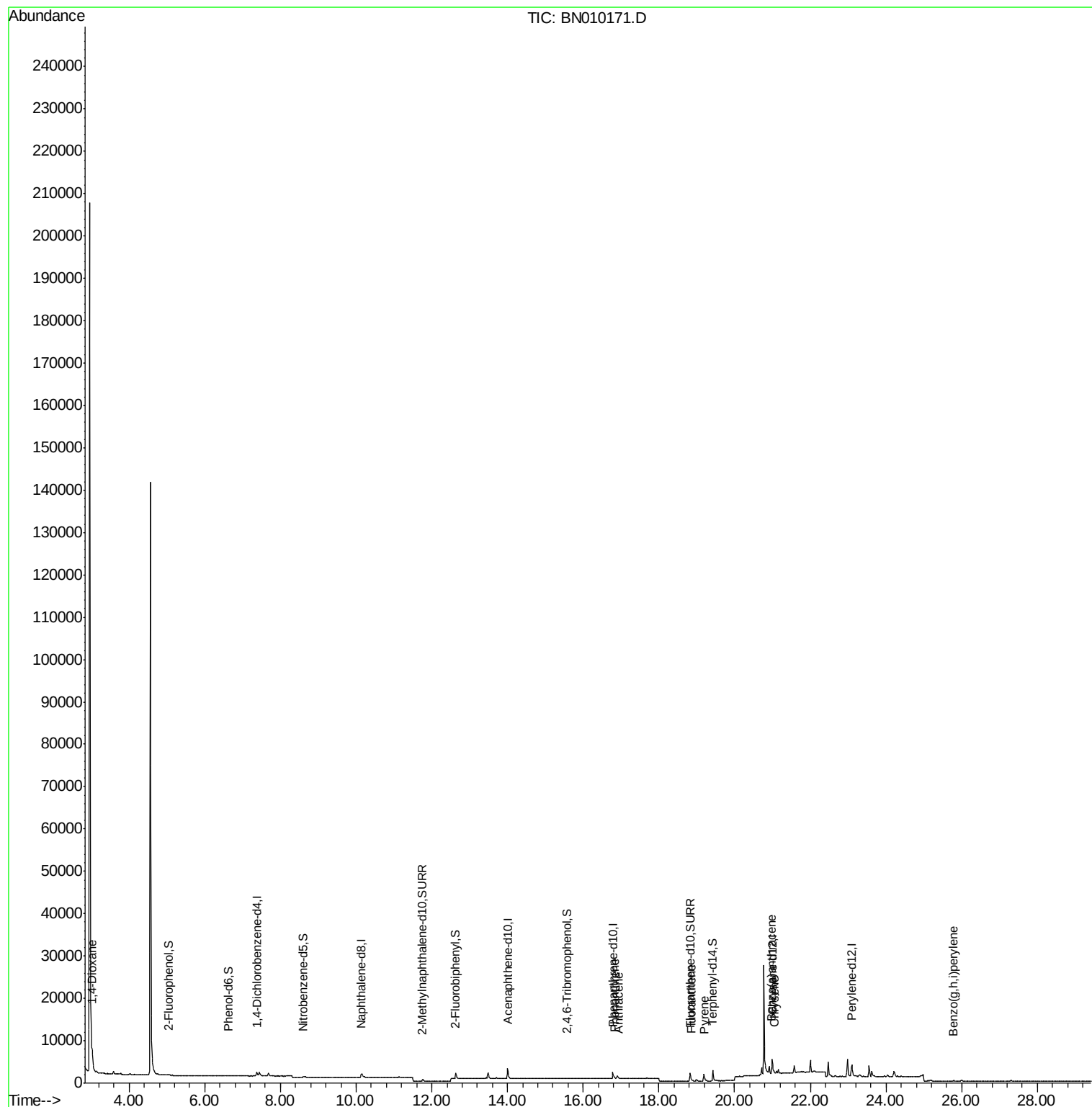
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN031020\
Data File : BN010171.D
Acq On : 10 Mar 2020 21:52
Operator : CG/JU
Sample : L1842-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

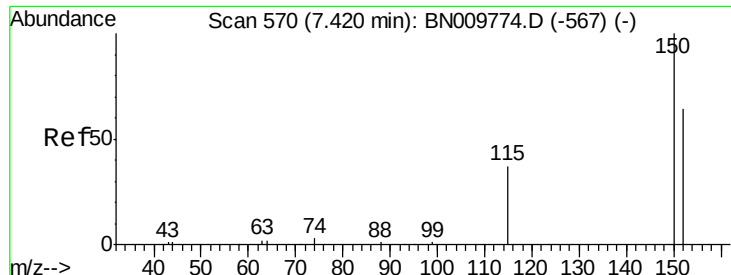
Instrument :
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#1

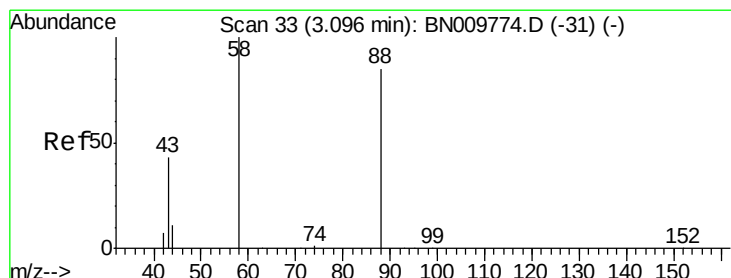
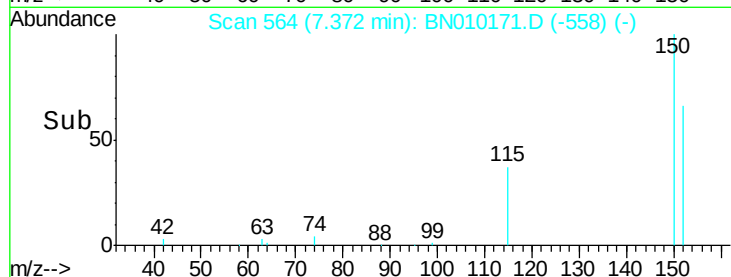
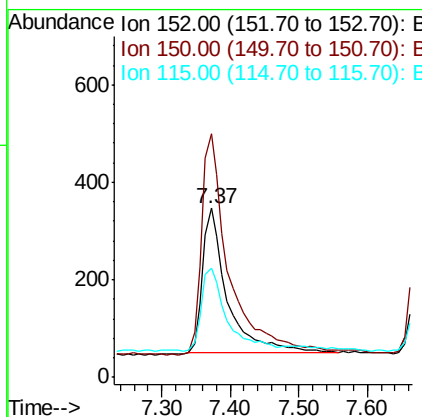
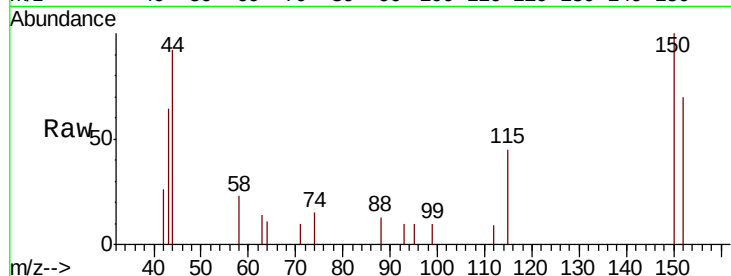
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.37 min Scan# 564
Delta R.T. -0.05 min
Lab File: BN010171.D
Acq: 10 Mar 2020 21:52

Instrument :
BNA_N
ClientSampleId :
RE132D7-20200304

Tot Ion	Ratio	Lower	Upper
152	100		
150	143.8	120.6	181.0
115	64.3	51.2	76.8

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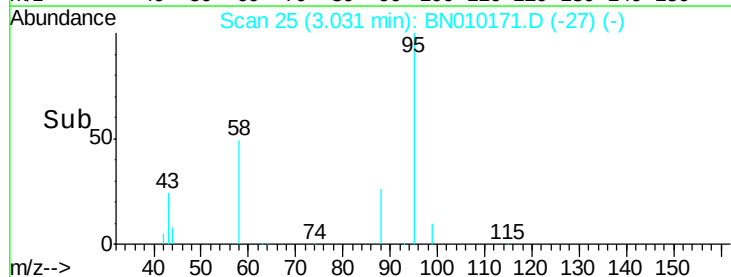
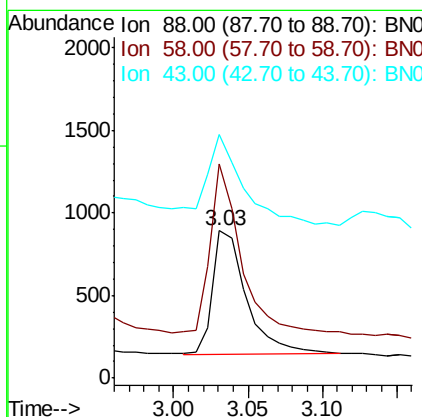
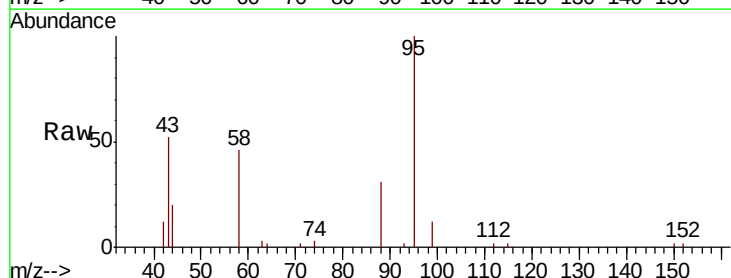
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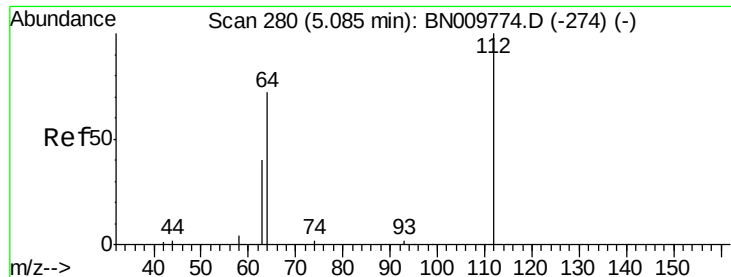


#2

1,4-Dioxane
Concen: 1.540 ng m
RT: 3.03 min Scan# 25
Delta R.T. -0.06 min
Lab File: BN010171.D
Acq: 10 Mar 2020 21:52

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	97.8	146.8#
43	0.0	45.1	67.7#





#4

2-Fluorophenol

Concen: 0.077 ng

RT: 5.05 min Scan# 276

Delta R.T. -0.03 min

Lab File: BN010171.D

Acq: 10 Mar 2020 21:52

Instrument :

BNA_N

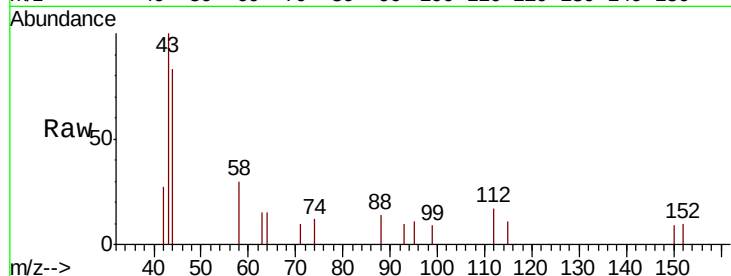
ClientSampleId :

RE132D7-20200304

Tot Ion	Ratio	Lower	Upper
112	100		
64	91.5	65.8	98.6
63	51.5	38.7	58.1

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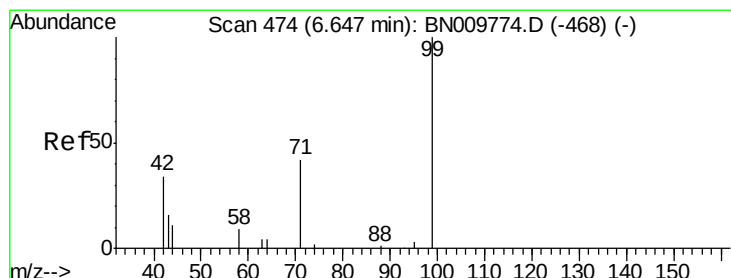
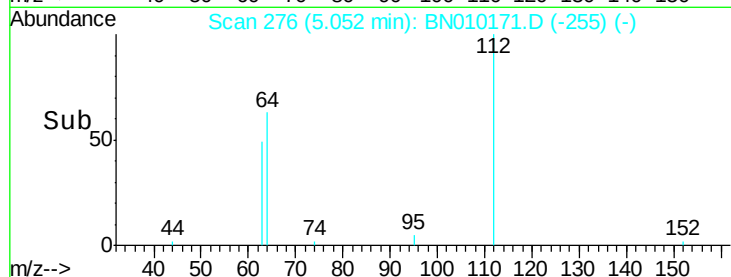
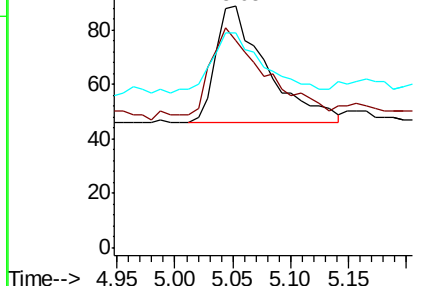
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Abundance Ion 112.00 (111.70 to 112.70): BNC

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



#5

Phenol-d6

Concen: 0.057 ng

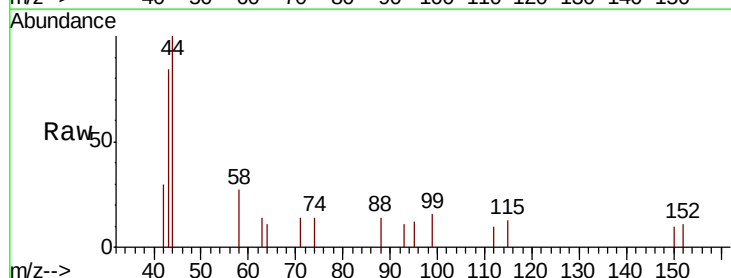
RT: 6.61 min Scan# 470

Delta R.T. -0.03 min

Lab File: BN010171.D

Acq: 10 Mar 2020 21:52

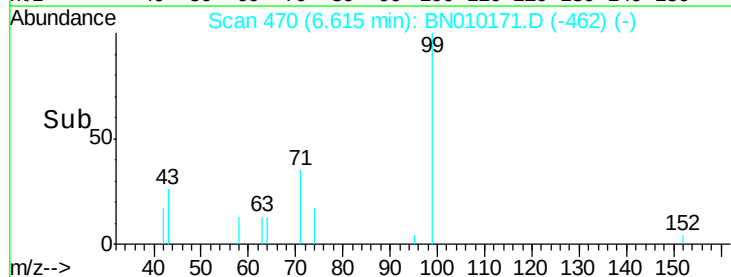
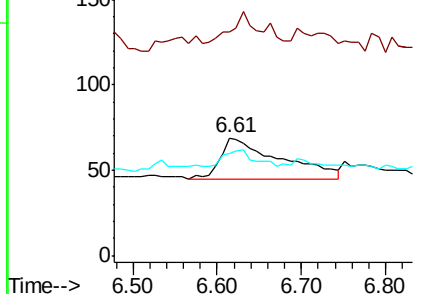
Tgt Ion	Ratio	Lower	Upper
99	100		
42	39.3	30.8	46.2
71	22.2	34.9	52.3#

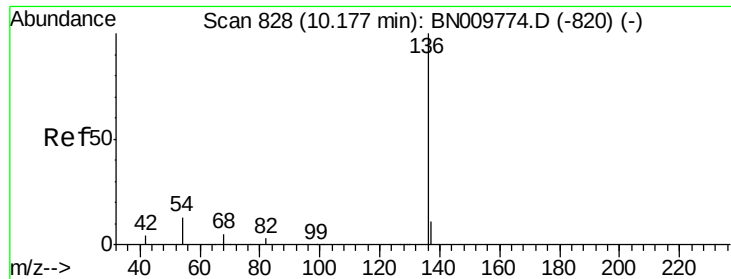


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.14 min Scan# 825

Delta R.T. -0.04 min

Lab File: BN010171.D

Acq: 10 Mar 2020 21:52

Instrument :

BNA_N

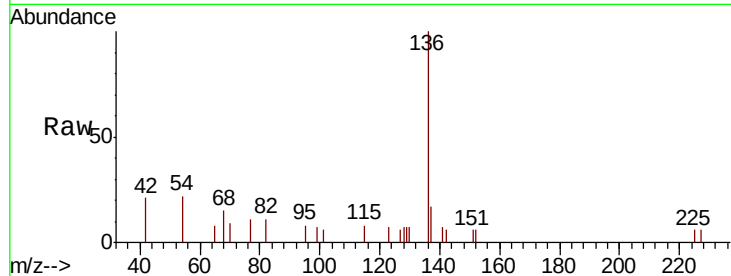
ClientSampleId :

RE132D7-20200304

Tot Ion	136	Resp	2493
Ion Ratio	Lower	Upper	
136	100		
137	16.8	11.3	16.9
54	21.7	13.4	20.2#
68	14.6	7.0	10.4#

Manual Integrations
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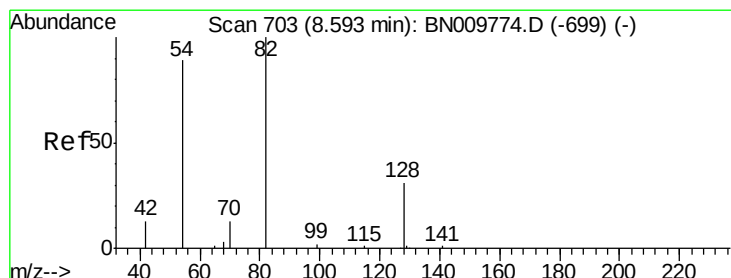
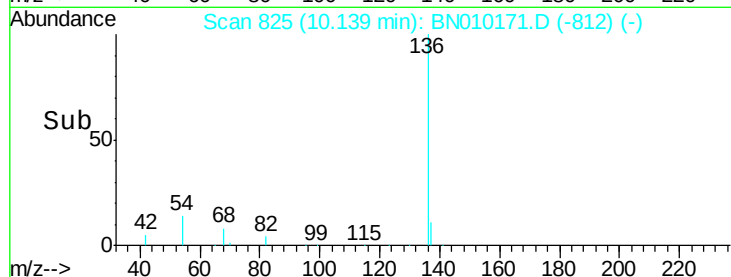
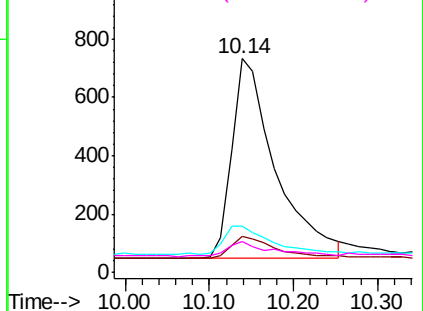


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.279 ng

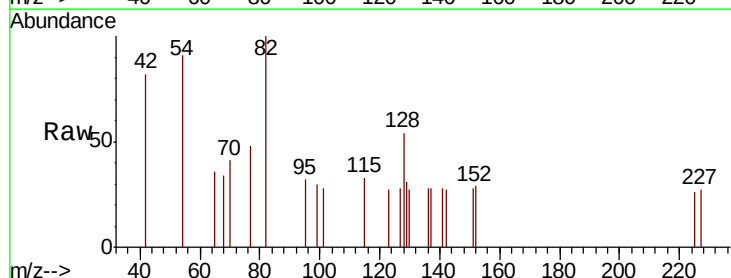
RT: 8.61 min Scan# 704

Delta R.T. 0.01 min

Lab File: BN010171.D

Acq: 10 Mar 2020 21:52

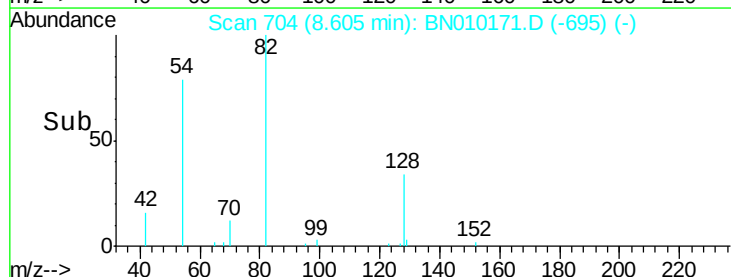
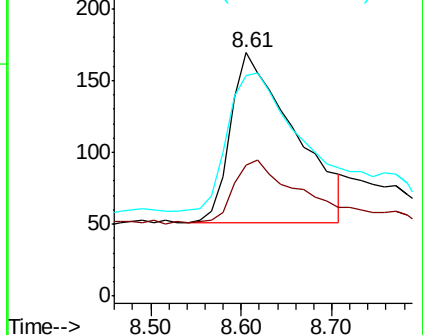
Tgt Ion	82	Resp	578
Ion Ratio	Lower	Upper	
82	100		
128	53.8	32.5	48.7#
54	90.5	73.5	110.3

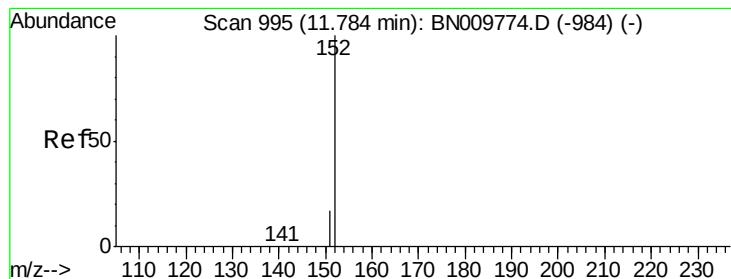


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





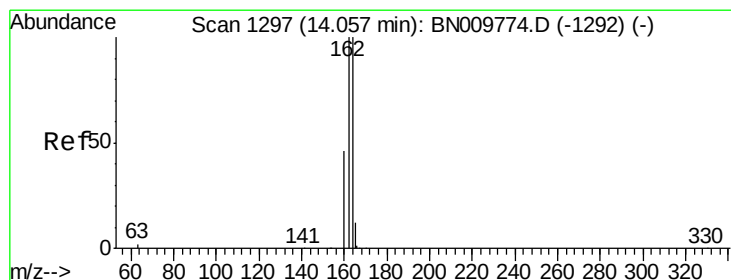
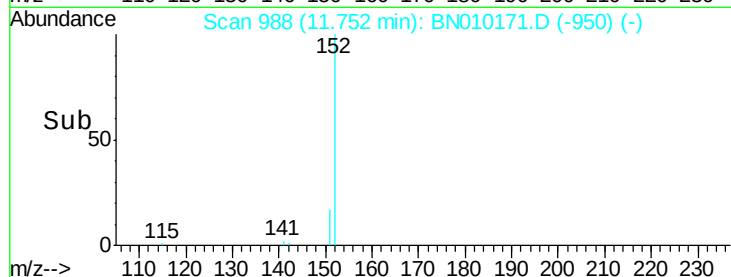
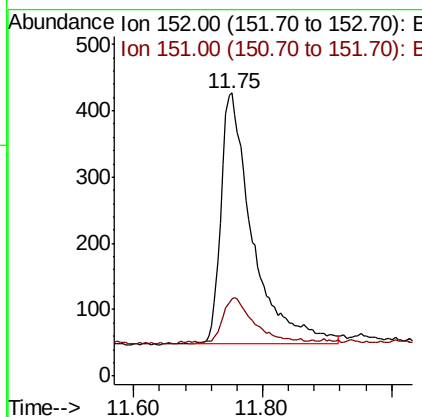
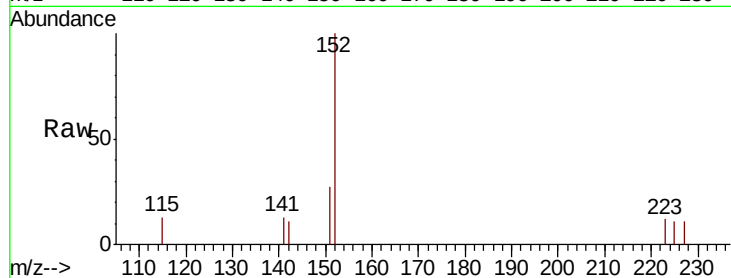
#11
2-Methylnaphthalene-d10
Concen: 0.267 ng
RT: 11.75 min Scan# 988
Delta R.T. -0.03 min
Lab File: BN010171.D
Acq: 10 Mar 2020 21:52

Instrument :
BNA_N
ClientSampleId :
RE132D7-20200304

Tot Ion	Ratio	Lower	Upper
152	100		
151	17.2	15.1	22.7

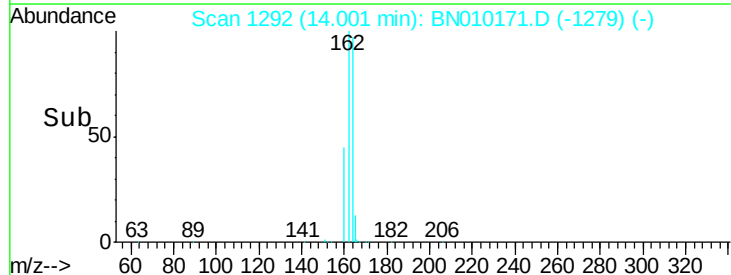
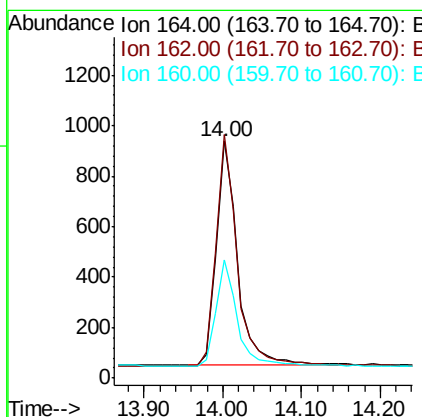
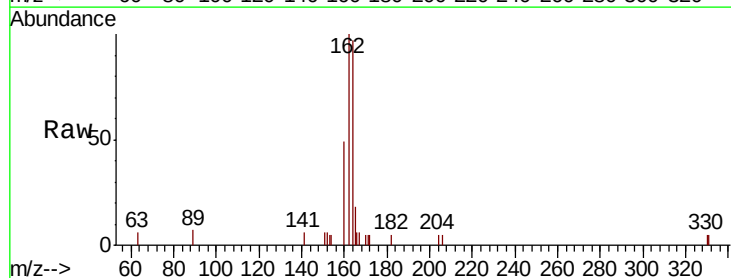
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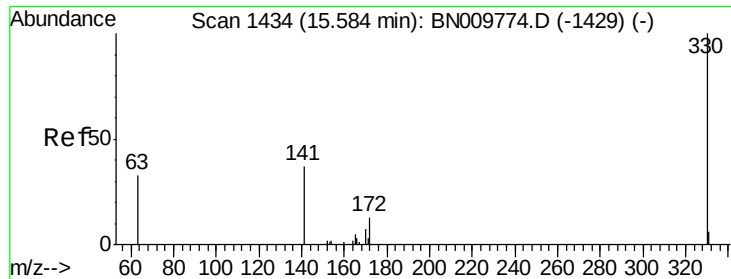
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#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.00 min Scan# 1292
Delta R.T. -0.06 min
Lab File: BN010171.D
Acq: 10 Mar 2020 21:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.7	79.9	119.9
160	49.9	38.2	57.2





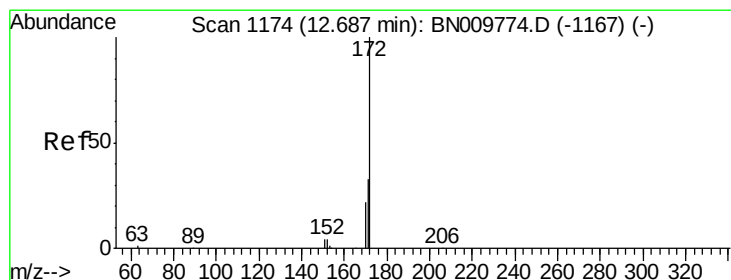
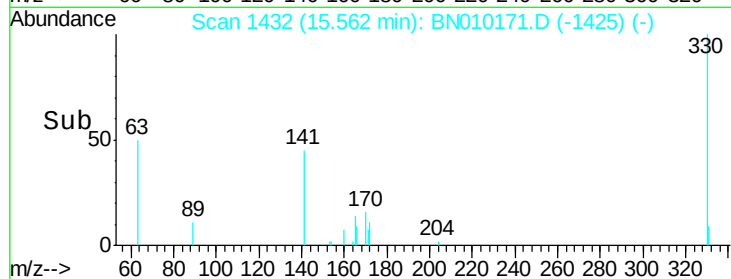
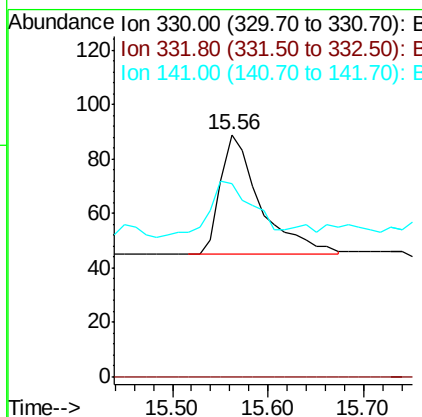
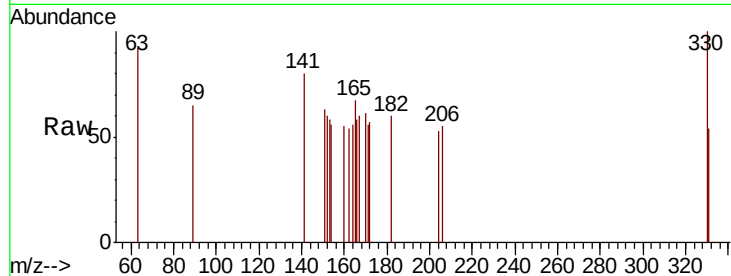
#14
 2,4,6-Tribromophenol
 Concen: 0.197 ng
 RT: 15.56 min Scan# 1432
 Delta R.T. -0.02 min
 Lab File: BN010171.D
 Acq: 10 Mar 2020 21:52

Instrument :
 BNA_N
 ClientSampleId :
 RE132D7-20200304

Tot Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	53.1	36.8	55.2

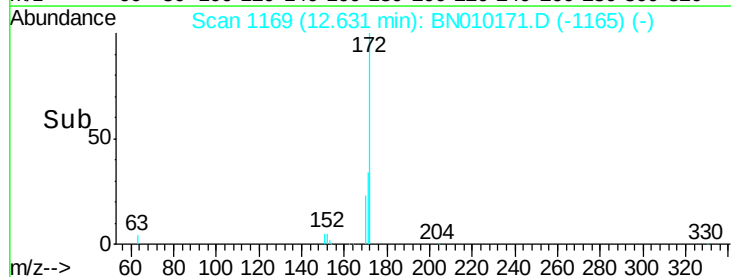
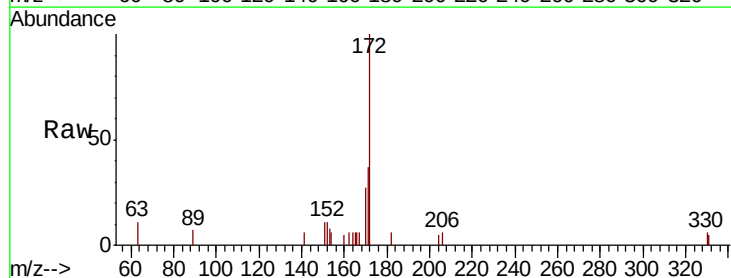
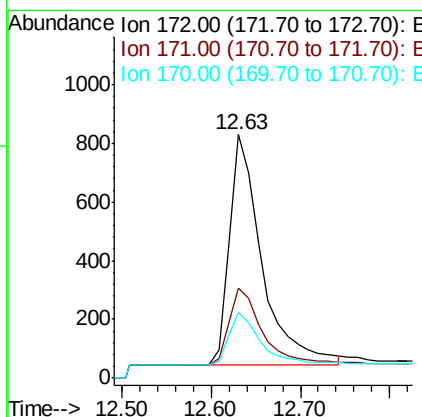
Manual Integrations
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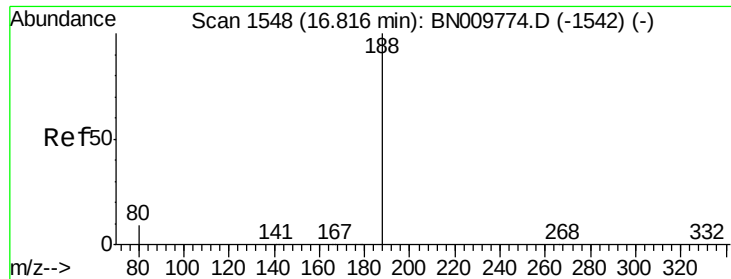
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#15
 2-Fluorobiphenyl
 Concen: 0.312 ng
 RT: 12.63 min Scan# 1169
 Delta R.T. -0.06 min
 Lab File: BN010171.D
 Acq: 10 Mar 2020 21:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	28.7	43.1
170	27.0	20.1	30.1





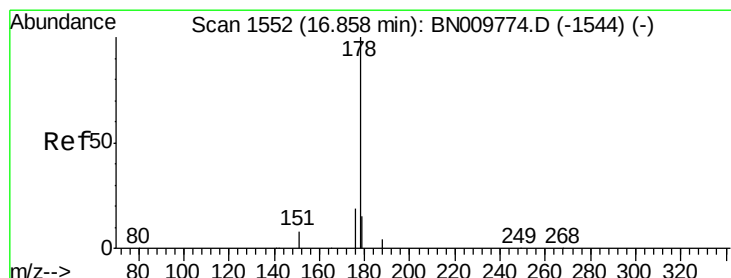
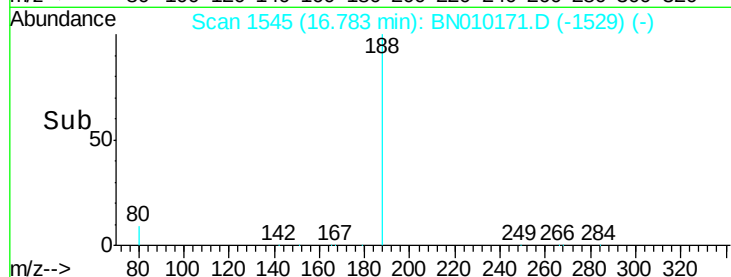
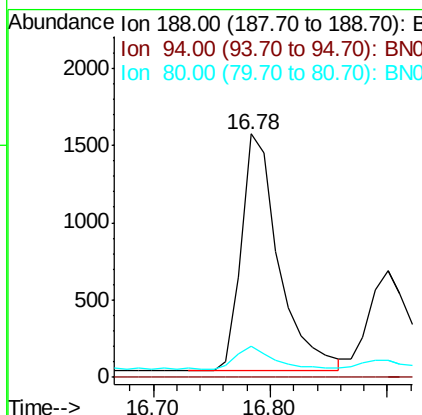
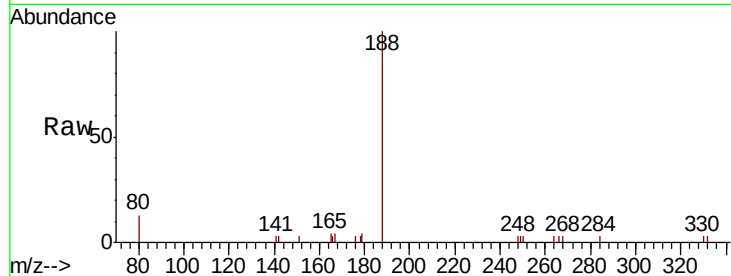
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.78 min Scan# 1545
Delta R.T. -0.03 min
Lab File: BN010171.D
Acq: 10 Mar 2020 21:52

Instrument :
BNA_N
ClientSampleId :
RE132D7-20200304

Tot Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.7	8.3	12.5

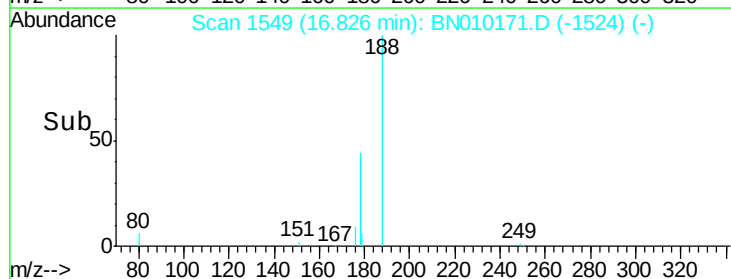
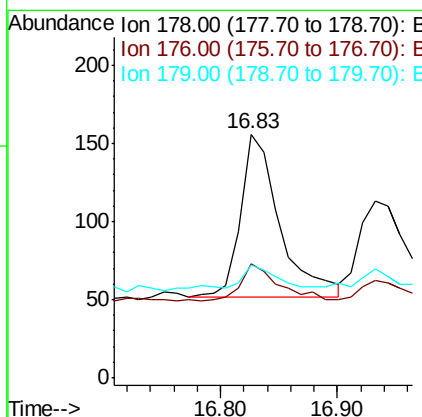
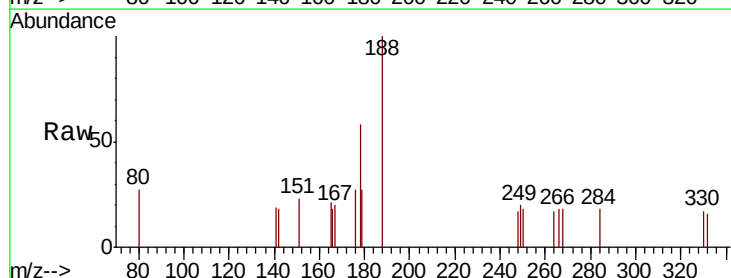
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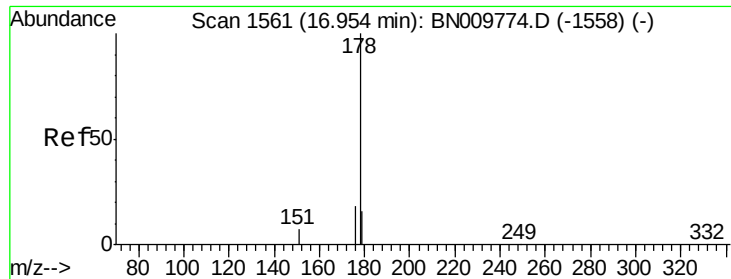
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#23
Phenanthrene
Concen: 0.024 ng
RT: 16.83 min Scan# 1549
Delta R.T. -0.03 min
Lab File: BN010171.D
Acq: 10 Mar 2020 21:52

Tgt Ion	Ratio	Lower	Upper
178	100		
176	23.0	15.3	22.9
179	15.9	12.4	18.6





#24

Anthracene

Concen: 0.021 ng

RT: 16.93 min Scan# 1559

Delta R.T. -0.02 min

Lab File: BN010171.D

Acq: 10 Mar 2020 21:52

Instrument :

BNA_N

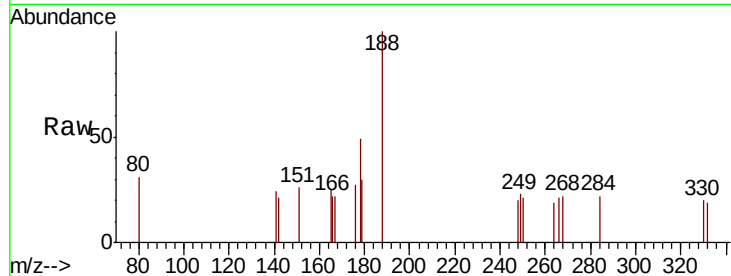
ClientSampleId :

RE132D7-20200304

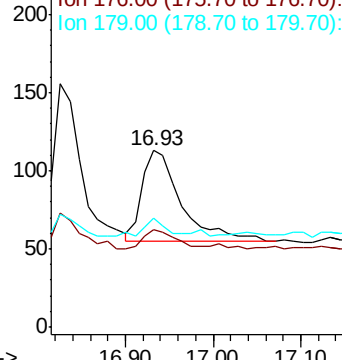
Tot Ion:	178	Resp:	179
Ion	Ratio	Lower	Upper
178	100		
176	17.3	14.3	21.5
179	11.2	12.4	18.6

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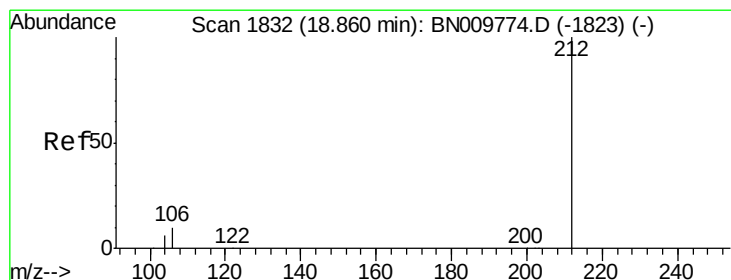
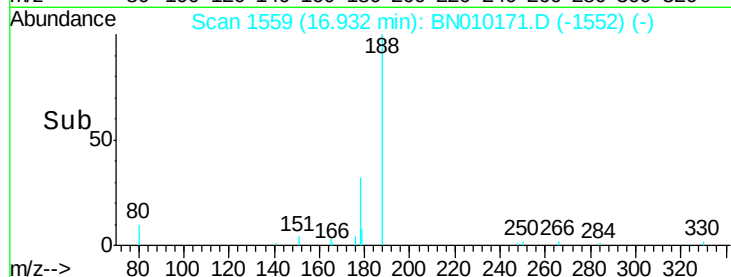
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time-->



#25

Fluoranthene-d10

Concen: 0.279 ng

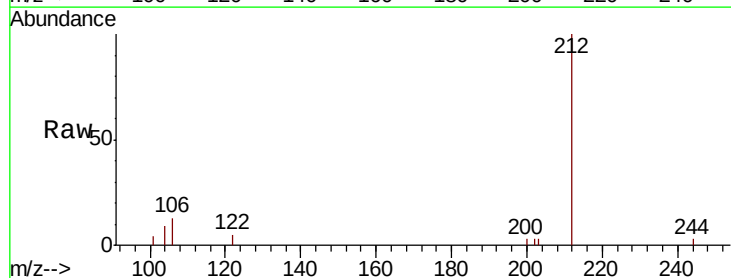
RT: 18.82 min Scan# 1825

Delta R.T. -0.04 min

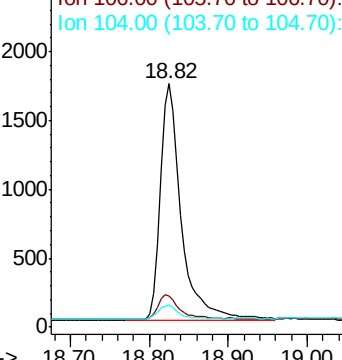
Lab File: BN010171.D

Acq: 10 Mar 2020 21:52

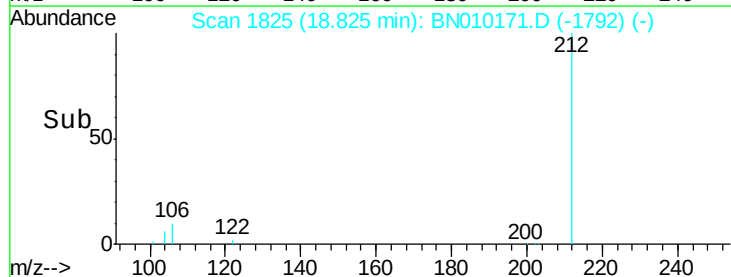
Tgt Ion:	212	Resp:	3276
Ion	Ratio	Lower	Upper
212	100		
106	10.9	8.4	12.6
104	5.9	4.8	7.2

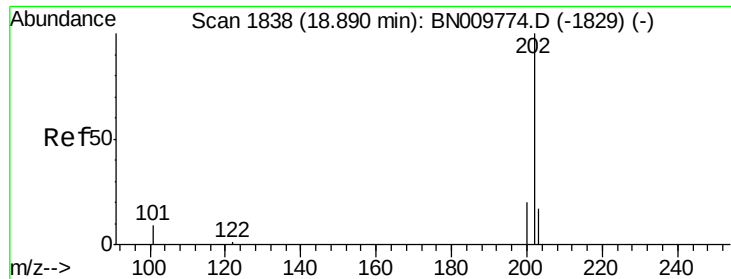


Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



Time-->





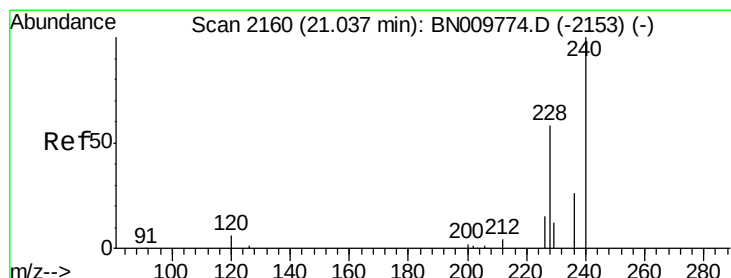
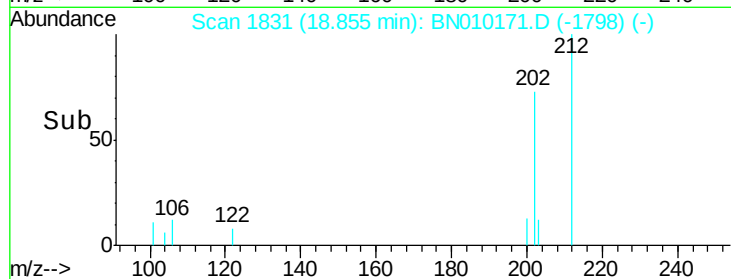
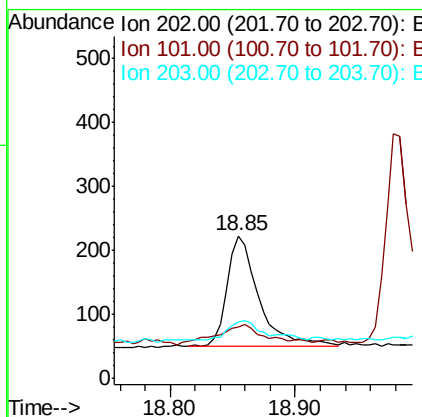
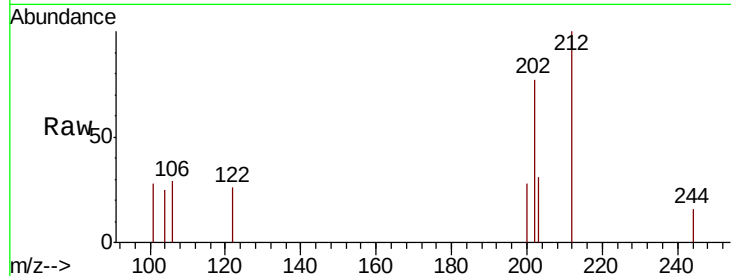
#26
Fluoranthene
Concen: 0.025 ng
RT: 18.85 min Scan# 1831
Delta R.T. -0.04 min
Lab File: BN010171.D
Acq: 10 Mar 2020 21:52

Instrument :
BNA_N
ClientSampleId :
RE132D7-20200304

Tot Ion	Ratio	Lower	Upper
202	100		
101	27.9	7.1	10.7#
203	16.1	13.8	20.6

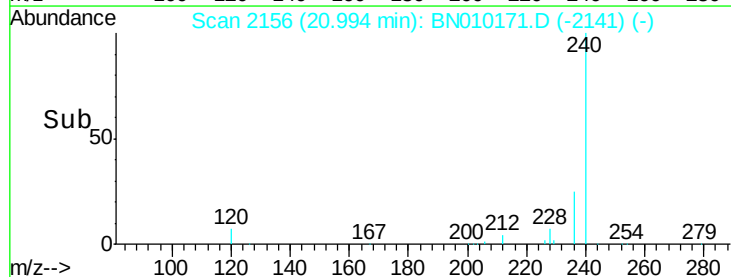
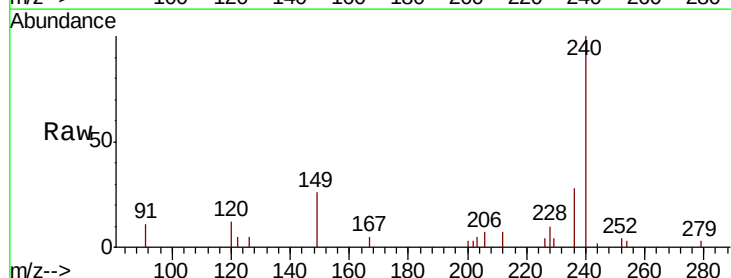
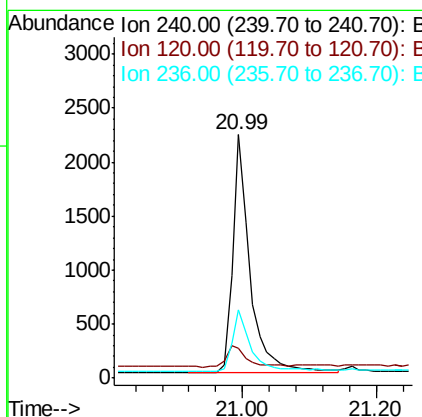
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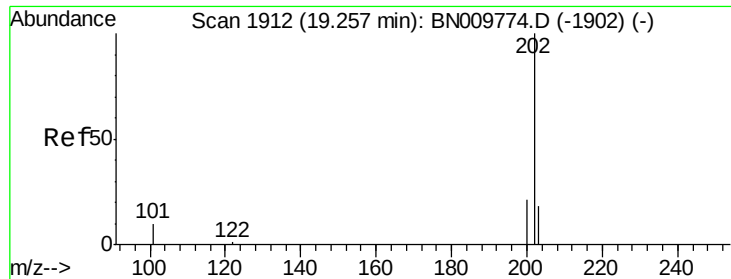
mohammad
3/11/2020 5:08:01 PM



#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.99 min Scan# 2156
Delta R.T. -0.04 min
Lab File: BN010171.D
Acq: 10 Mar 2020 21:52

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.1	7.9	11.9#
236	27.8	22.0	33.0





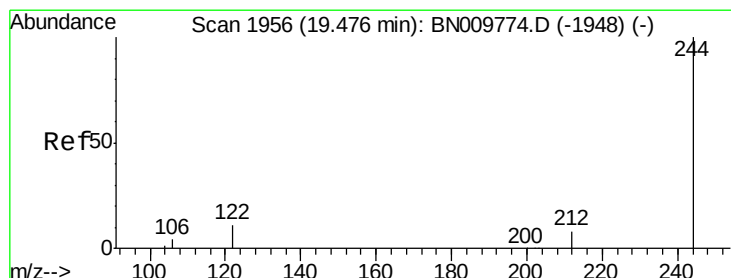
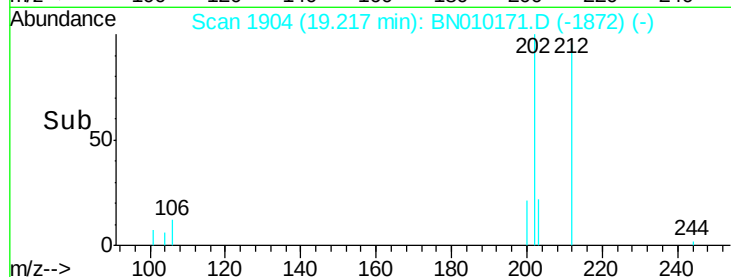
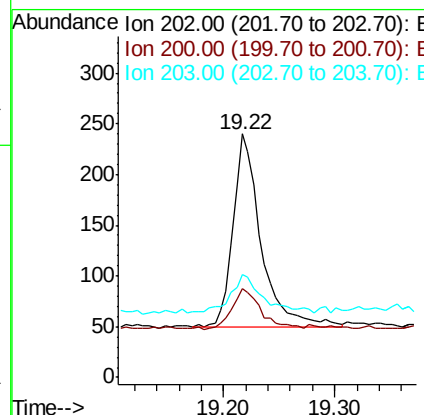
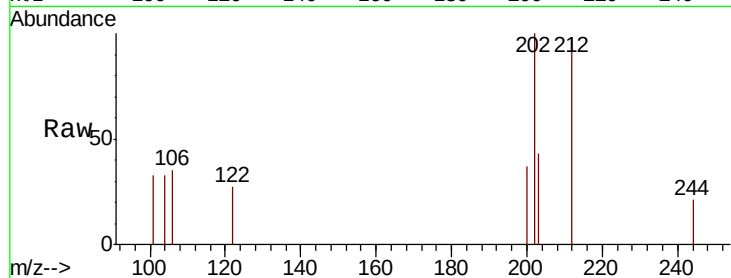
#28
Pvrene
Concen: 0.022 ng
RT: 19.22 min Scan# 1904
Delta R.T. -0.04 min
Lab File: BN010171.D
Acq: 10 Mar 2020 21:52

Instrument :
BNA_N
ClientSampleId :
RE132D7-20200304

Tot Ion	Ratio	Lower	Upper
202	100		
200	23.0	16.4	24.6
203	22.4	13.9	20.9

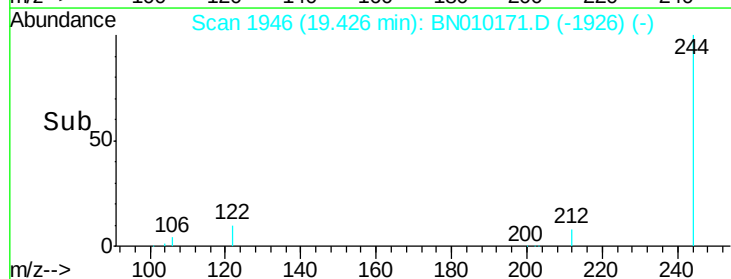
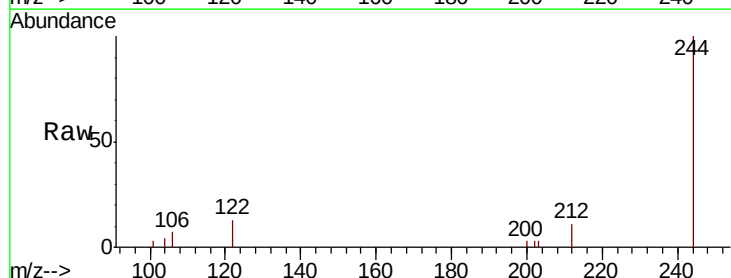
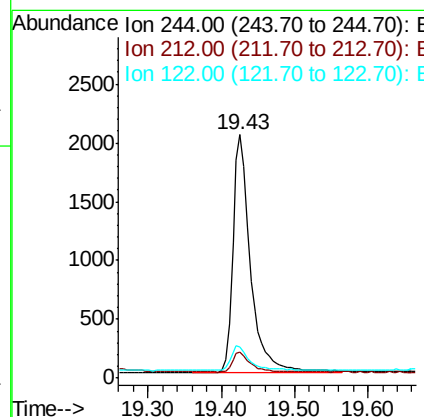
Manual Integrations
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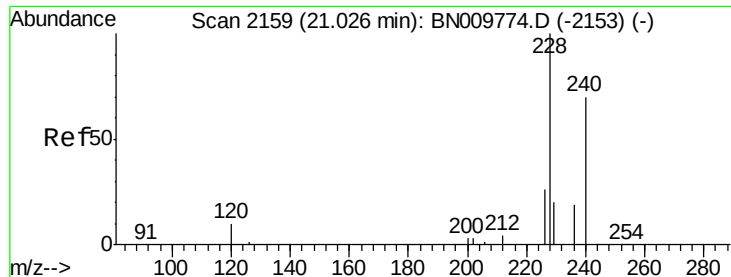
mohammad
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#29
Terphenyl-d14
Concen: 0.355 ng
RT: 19.43 min Scan# 1946
Delta R.T. -0.05 min
Lab File: BN010171.D
Acq: 10 Mar 2020 21:52

Tgt Ion	Ratio	Lower	Upper
244	100		
212	10.5	8.0	12.0
122	12.8	10.0	15.0





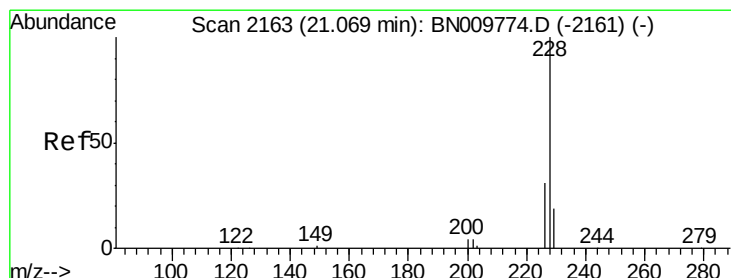
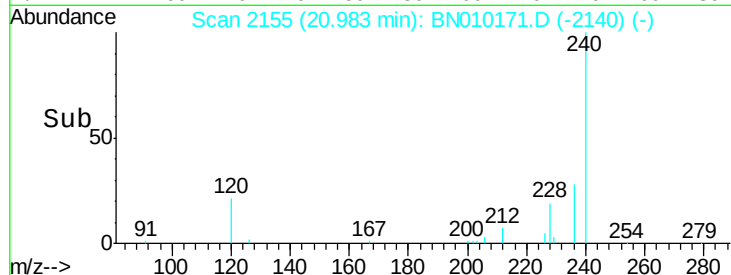
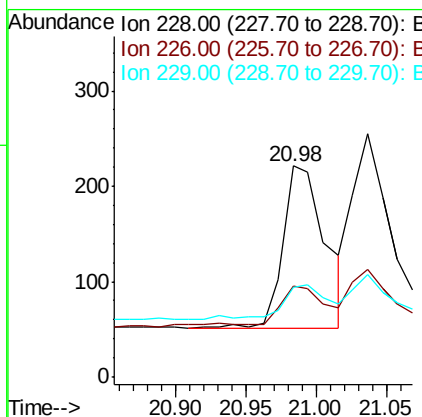
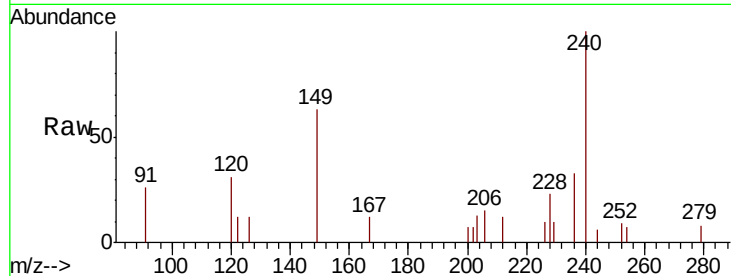
#30
Benzo(a)anthracene
Concen: 0.027 ng
RT: 20.98 min Scan# 2155
Delta R.T. -0.04 min
Lab File: BN010171.D
Acq: 10 Mar 2020 21:52

Instrument :
BNA_N
ClientSampleId :
RE132D7-20200304

Tot Ion	Ratio	Lower	Upper
228	100		
226	43.4	21.8	32.8#
229	42.5	17.1	25.7#

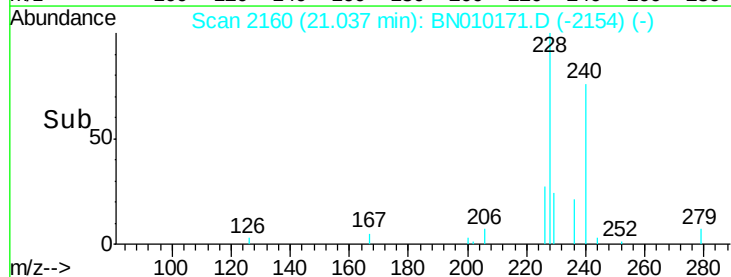
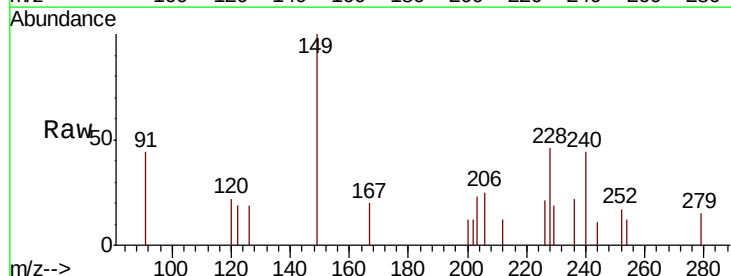
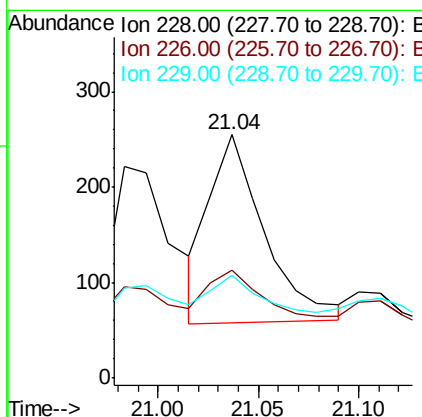
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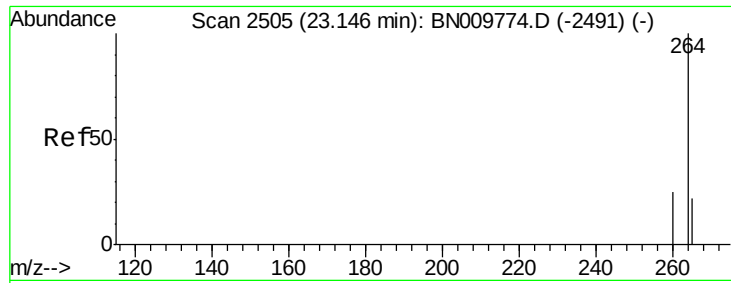
mohammad
3/11/2020 5:08:01 PM



#31
Chrysene
Concen: 0.025 ng
RT: 21.04 min Scan# 2160
Delta R.T. -0.03 min
Lab File: BN010171.D
Acq: 10 Mar 2020 21:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	44.3	24.8	37.2#
229	42.0	16.4	24.6#





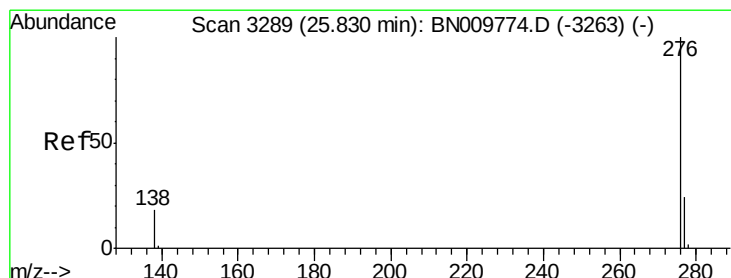
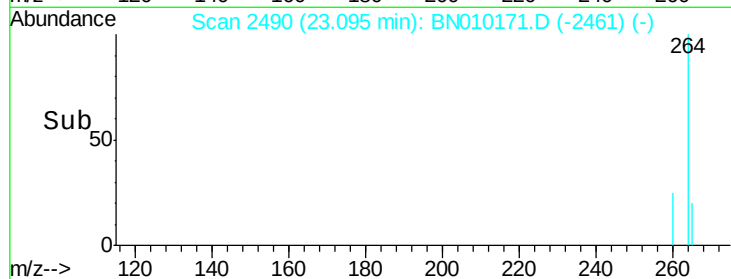
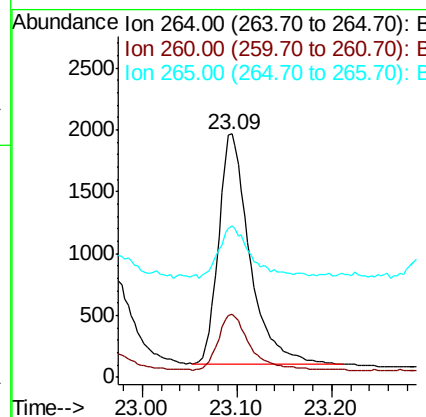
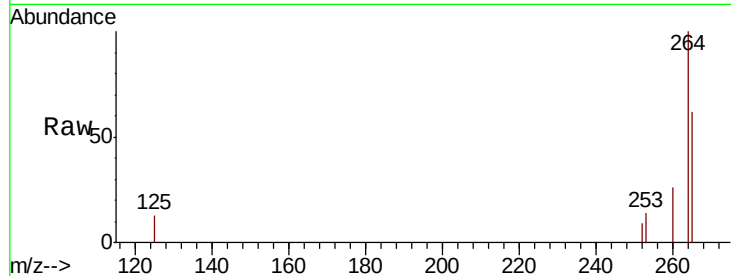
#34
 Pervlene-d12
 Concen: 0.400 ng
 RT: 23.09 min Scan# 2490
 Delta R.T. -0.05 min
 Lab File: BN010171.D
 Acq: 10 Mar 2020 21:52

Instrument :
 BNA_N
 ClientSampleId :
 RE132D7-20200304

Tot Ion	Ratio	Lower	Upper
264	100		
260	26.1	21.1	31.7
265	62.3	57.5	86.3

Manual Integrations
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 3/11/2020 5:08:01 PM



#39
 Benzo(g,h,i)perylene
 Concen: 0.029 ng
 RT: 25.78 min Scan# 3276
 Delta R.T. -0.04 min
 Lab File: BN010171.D
 Acq: 10 Mar 2020 21:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	55.2	21.4	32.0#
138	53.4	16.6	24.8#

