

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN053119\
 Data File : BN005985.D
 Acq On : 31 May 2019 18:18
 Operator : JU/SJ
 Sample : K2923-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A4257

Manual Integrations
 APPROVED

mohammad
 6/5/2019 6:11:04 AM

Quant Time: May 31 18:54:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri May 31 15:02:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	459666	20.00	ng/ul	0.00
18) Naphthalene-d8	10.53	136	1978651	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.39	164	1051232	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.15	188	1866481	20.00	ng/ul	0.01
77) Chrysene-d12	21.38	240	1229133	20.00	ng/ul	0.02
85) Perylene-d12	23.68	264	1395615	20.00	ng/ul	0.04

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.26	96	28642	2.74	ng/uL	0.00
5) Phenol-d5	6.91	99	687151	16.87	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.07	67	366400	15.76	ng/ul	0.00
9) 2-Chlorophenol-d4	7.27	132	541929	17.46	ng/ul	0.00
13) 4-Methylphenol-d8	8.44	113	522552	15.89	ng/ul	0.00
19) Nitrobenzene-d5	8.89	128	258540	20.36	ng/ul	0.00
22) 2-Nitrophenol-d4	9.61	143	288723	24.41	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.15	165	542190	19.41	ng/ul	0.01
29) 4-Chloroaniline-d4	10.67	131	89373	2.44	ng/ul	0.01
43) Dimethylphthalate-d6	13.81	166	1486313	19.18	ng/ul	0.01
46) Acenaphthylene-d8	14.09	160	1834264	18.92	ng/ul	0.01
51) 4-Nitrophenol-d4	14.60	143	207653	14.72	ng/ul	0.01
57) Fluorene-d10	15.39	176	1205427	18.55	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	15.52	200	159221	20.93	ng/ul	0.02
70) Anthracene-d10	17.25	188	1561199	19.65	ng/ul	0.02
78) Pyrene-d10	19.56	212	1373007	22.12	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.54	264	1202341	19.31	ng/ul	0.04

Target Compounds				Ovalue		
44) Dimethylphthalate	13.85	163	634146	8.187	ng/ul	99
69) Phenanthrene	17.19	178	658358	7.119	ng/ul	99
71) Anthracene	17.28	178	181108	1.929	ng/ul	99
76) Fluoranthene	19.22	202	1103093	11.174	ng/ul	97
79) Pyrene	19.59	202	958883	12.315	ng/ul	97
82) Benzo(a)anthracene	21.36	228	465058	6.019	ng/ul	94
83) Bis(2-ethylhexyl)phthalate	21.29	149	77538	1.529	ng/ul#	95
84) Chrysene	21.41	228	503960m	6.993	ng/ul	
87) Benzo(b)fluoranthene	22.99	252	613236	7.823	ng/ul#	82
88) Benzo(k)fluoranthene	23.03	252	214598m	2.978	ng/ul	
90) Benzo(a)pyrene	23.58	252	427595	5.784	ng/ul#	82
91) Indeno(1,2,3-cd)pyrene	26.00	276	352884	4.068	ng/ul	92
92) Dibenzo(a,h)anthracene	26.01	278	98694	1.367	ng/ul#	52
93) Benzo(g,h,i)perylene	26.72	276	327414	4.482	ng/ul#	88

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

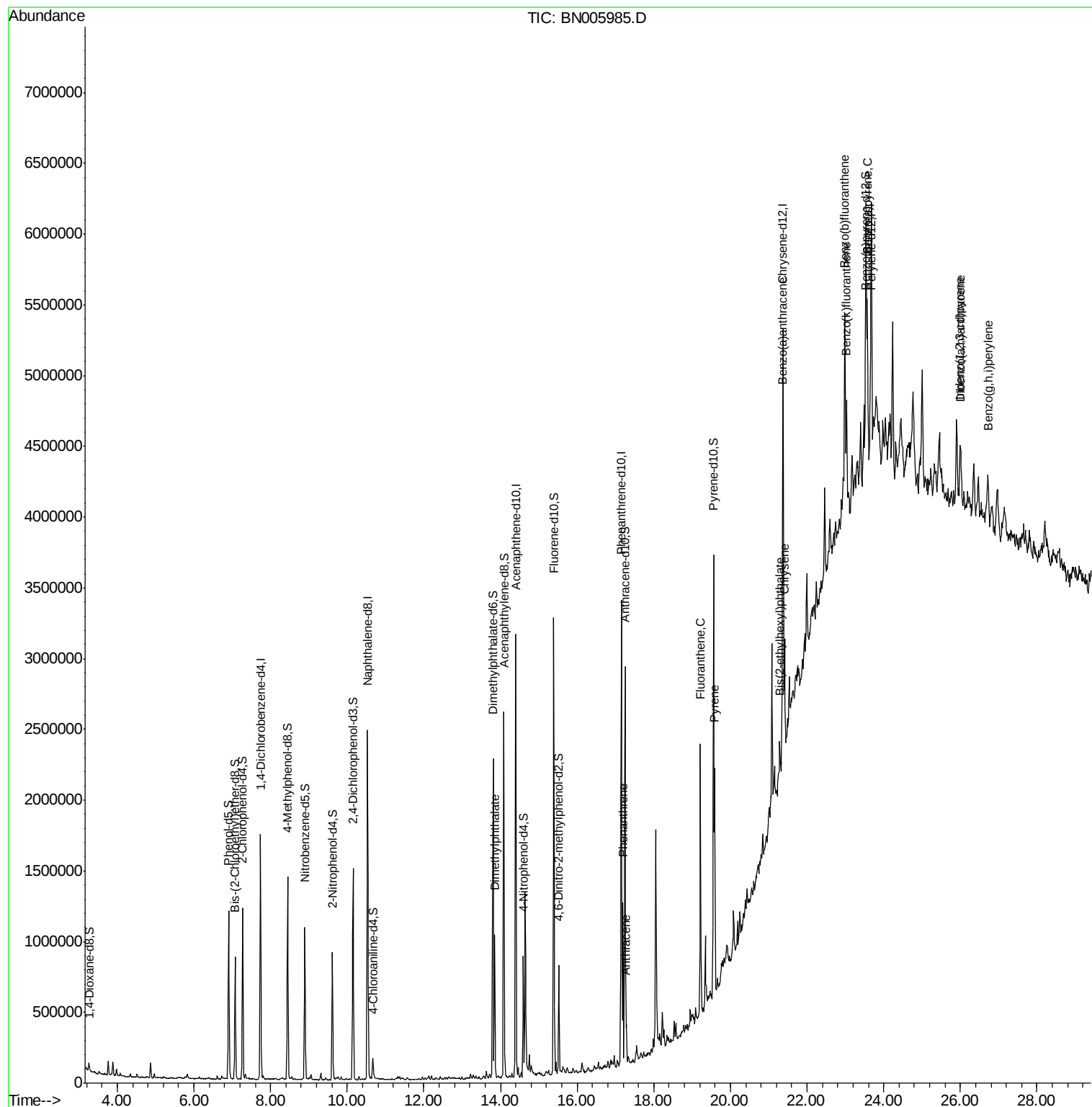
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN053119\
Data File : BN005985.D
Acq On : 31 May 2019 18:18
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Sample : K2923-10
Misc :
ALS Vial : 14 Sample Multiplier: 1

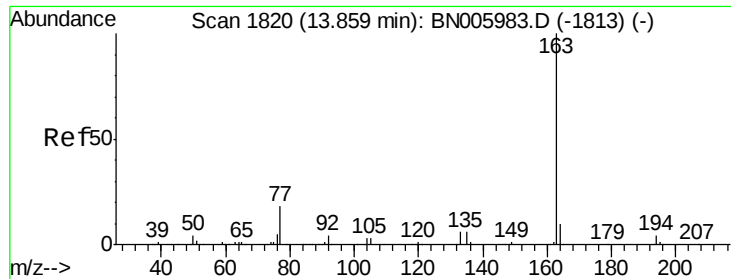
Instrument :
BNA_N
ClientSampled :
A4257

Quant Time: May 31 18:54:55 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN052819MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri May 31 15:02:18 2019
Response via : Initial Calibration

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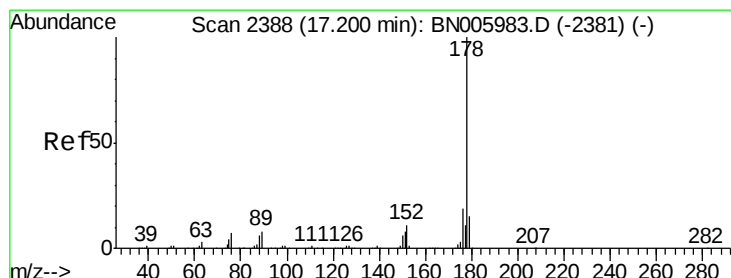
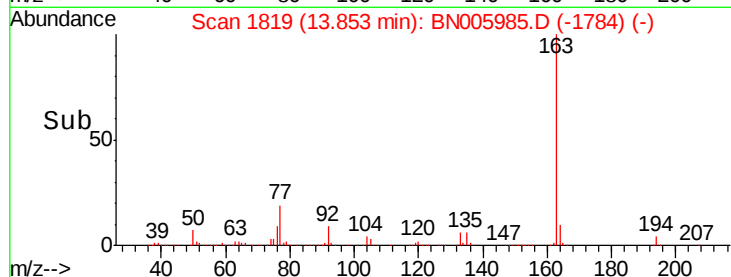
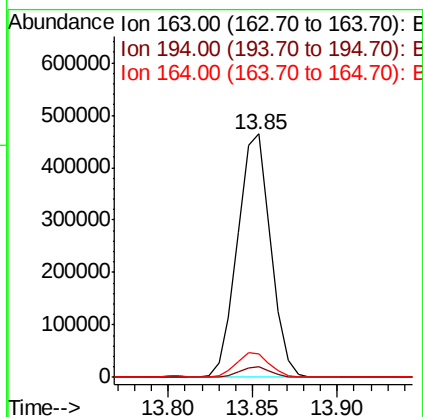
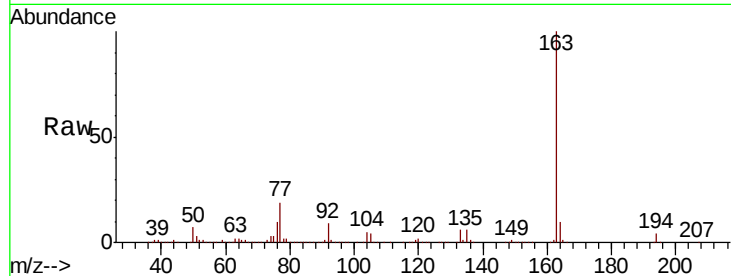
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Dimethylphthalate
Concen: 8.187 ng/ul
RT: 13.85 min Scan# 1819
Delta R.T. 0.01 min
Lab File: BN005985.D
Acq: 31 May 2019 18:18

Instrument :
BNA_N
ClientSampleId :
A4257

Tot Ion	Ratio	Resp	Lower	Upper
163	100	634146		
194	4.3		3.4	5.0
164	9.7		8.1	12.1

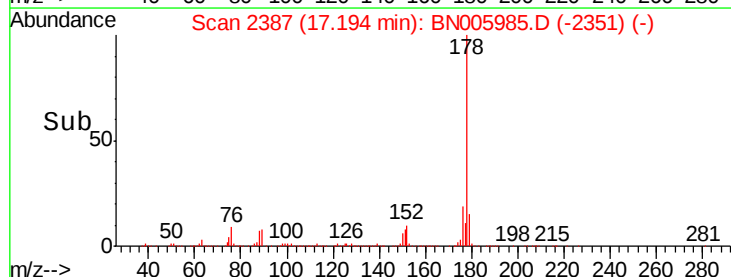
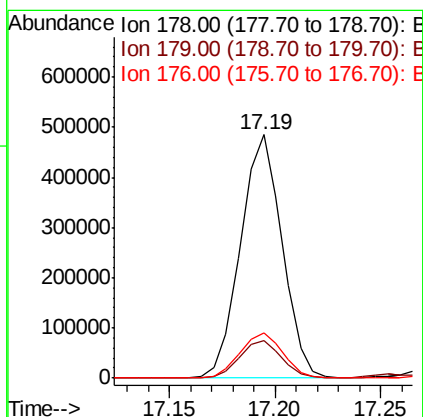
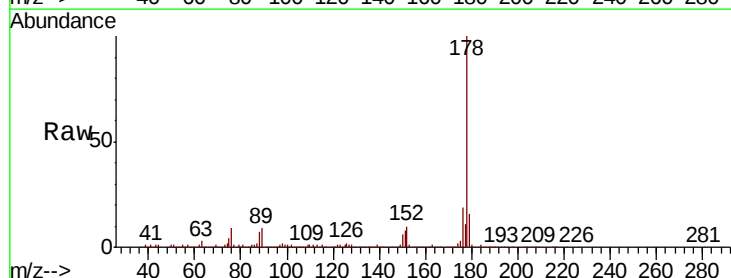
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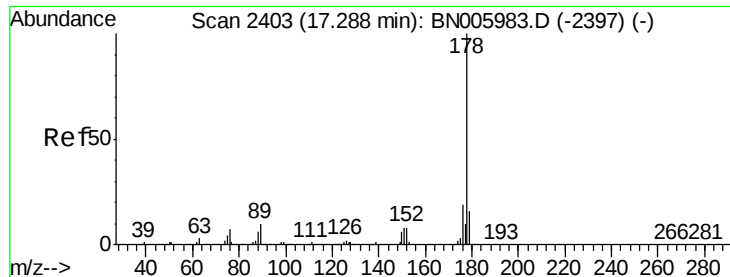
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#69
Phenanthrene
Concen: 7.119 ng/ul
RT: 17.19 min Scan# 2387
Delta R.T. 0.01 min
Lab File: BN005985.D
Acq: 31 May 2019 18:18

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	658358		
179	15.5		12.2	18.4
176	18.5		15.1	22.7





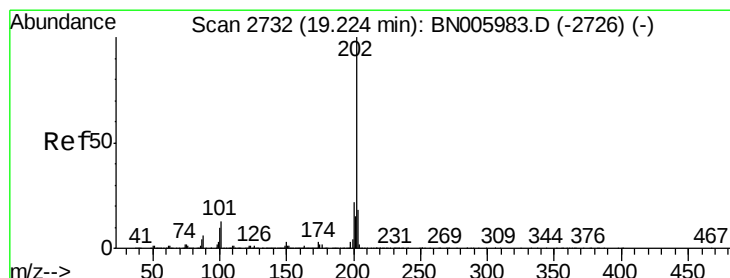
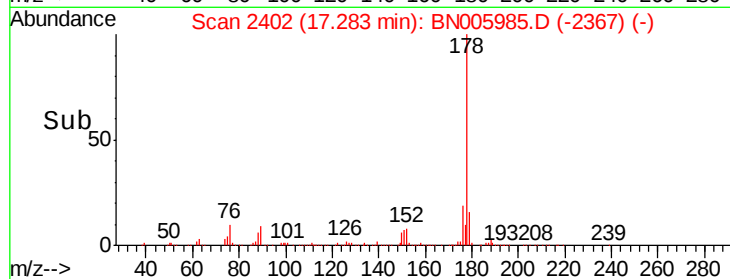
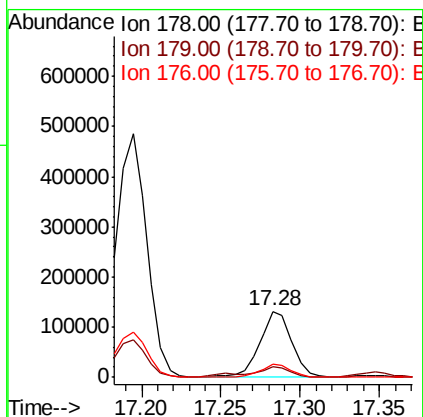
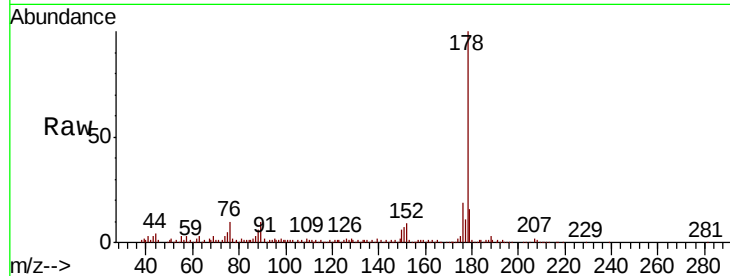
#71
 Anthracene
 Concen: 1.929 ng/ul
 RT: 17.28 min Scan# 2402
 Delta R.T. 0.01 min
 Lab File: BN005985.D
 Acq: 31 May 2019 18:18

Instrument :
 BNA_N
 ClientSampleId :
 A4257

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.4	12.3	18.5
176	19.1	15.1	22.7

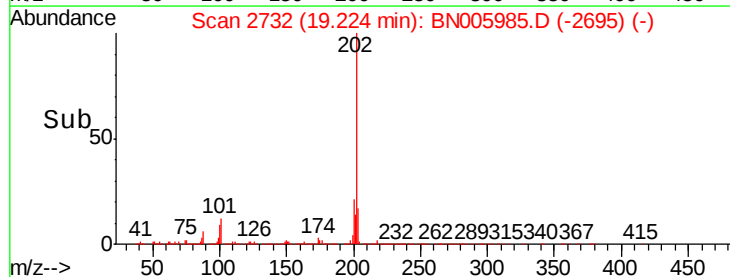
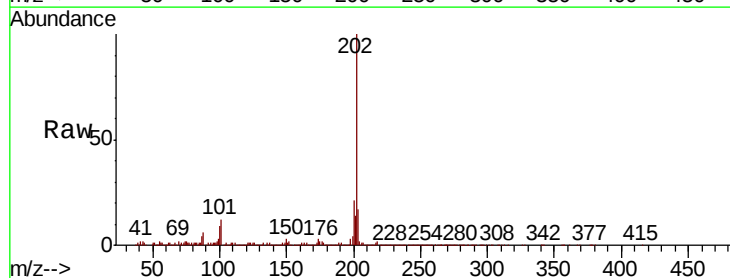
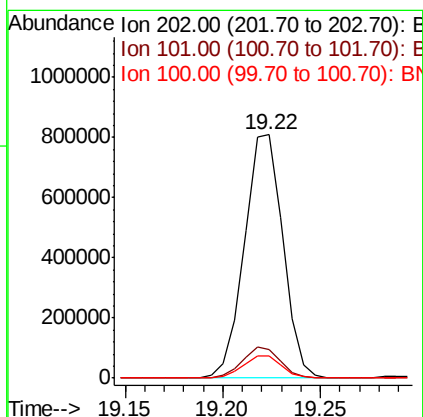
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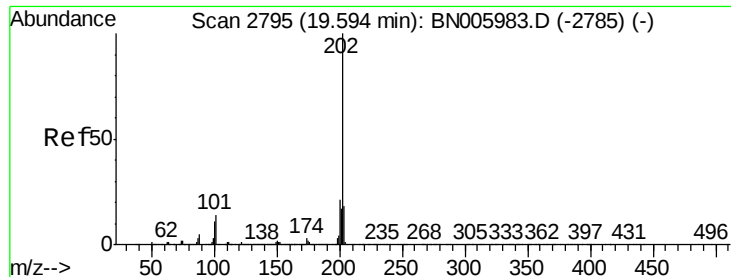
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#76
 Fluoranthene
 Concen: 11.174 ng/ul
 RT: 19.22 min Scan# 2732
 Delta R.T. 0.02 min
 Lab File: BN005985.D
 Acq: 31 May 2019 18:18

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	8.6	12.8
100	8.9	6.3	9.5





#79

Pvrene

Concen: 12.315 ng/ul

RT: 19.59 min Scan# 2794

Delta R.T. 0.01 min

Lab File: BN005985.D

Acq: 31 May 2019 18:18

Instrument :

BNA_N

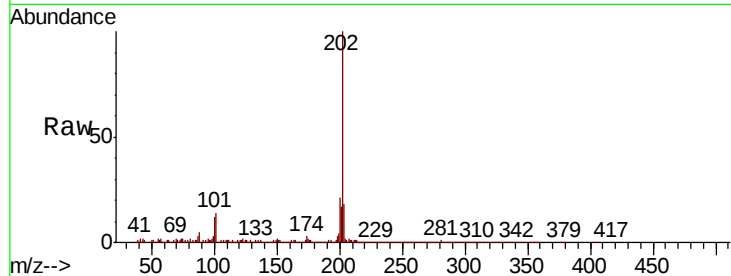
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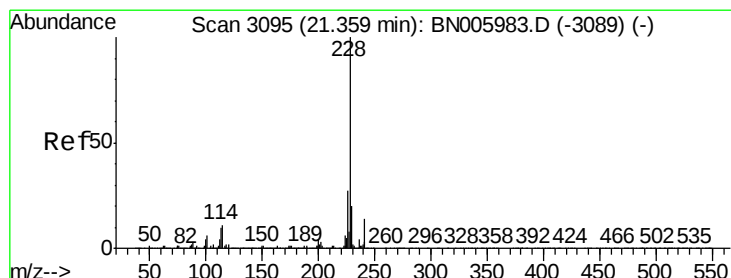
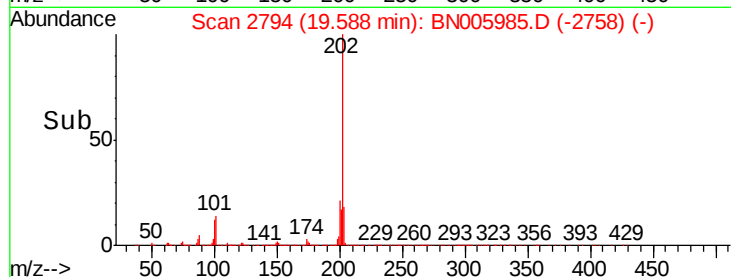
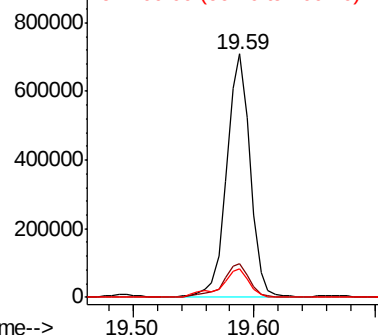
Tot Ion:	202	Resp:	958883
Ion Ratio	Lower	Upper	
202	100		
101	13.7	10.3	15.5
100	11.5	7.9	11.9

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



#82

Benzo(a)anthracene

Concen: 6.019 ng/ul

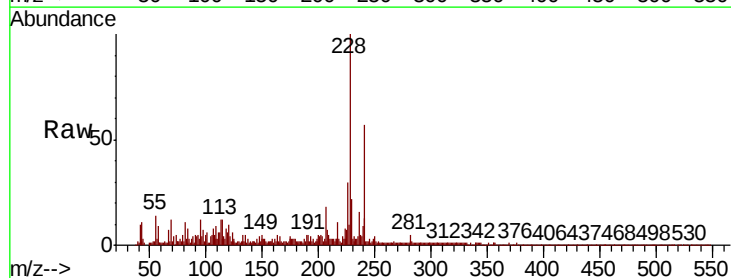
RT: 21.36 min Scan# 3095

Delta R.T. 0.02 min

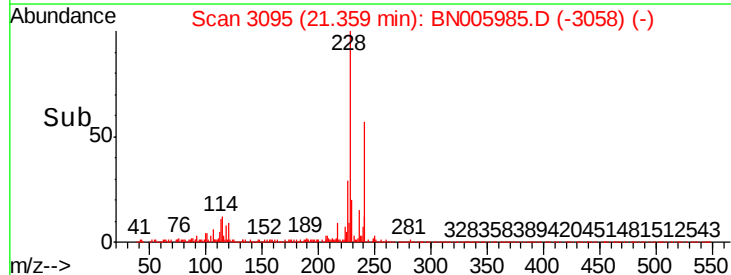
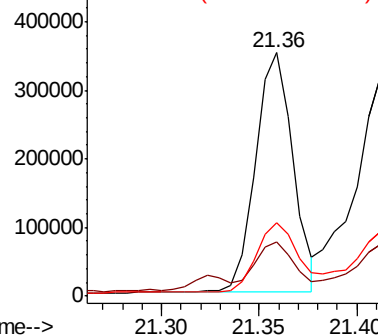
Lab File: BN005985.D

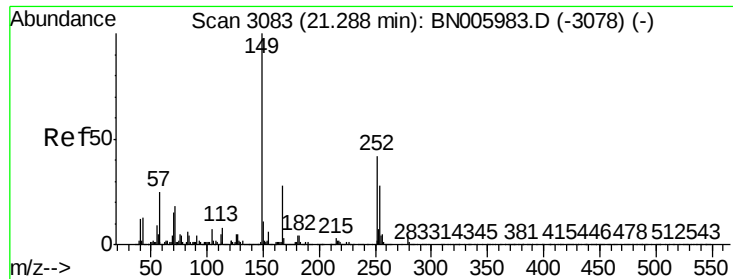
Acq: 31 May 2019 18:18

Tgt Ion:	228	Resp:	465058
Ion Ratio	Lower	Upper	
228	100		
229	22.4	15.8	23.6
226	30.0	21.4	32.2



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





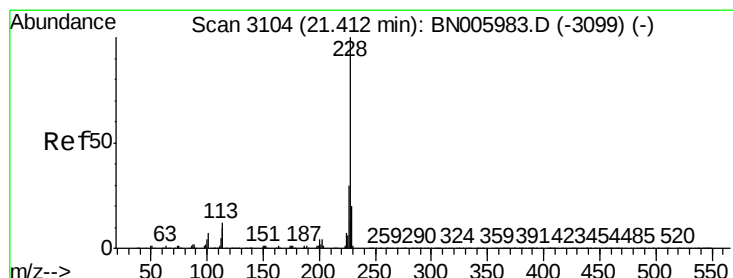
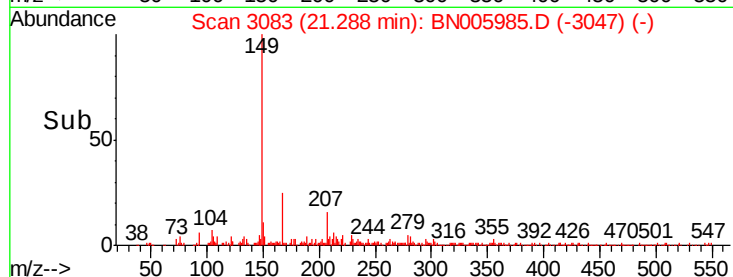
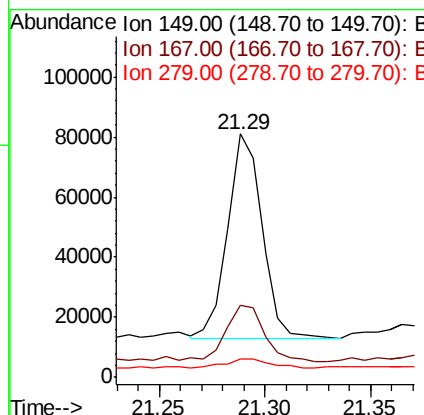
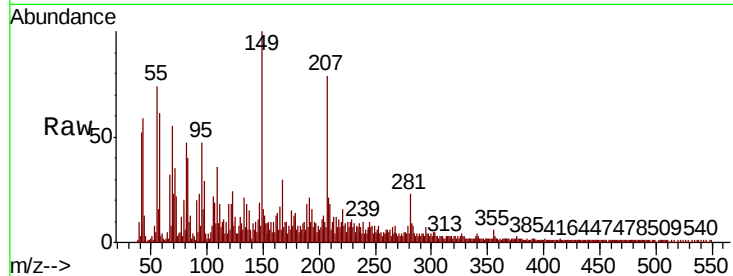
#83
Bis(2-ethylhexyl)phthalate
Concen: 1.529 ng/ul
RT: 21.29 min Scan# 3083
Delta R.T. 0.01 min
Lab File: BN005985.D
Acq: 31 May 2019 18:18

Instrument :
BNA_N
ClientSampled :
A4257

Tot Ion	Ratio	Lower	Upper
149	100		
167	29.8	22.3	33.5
279	7.7	3.3	4.9

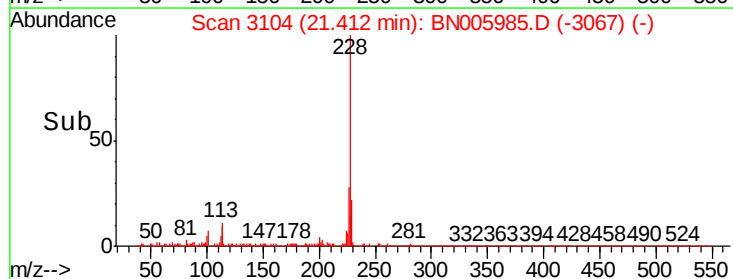
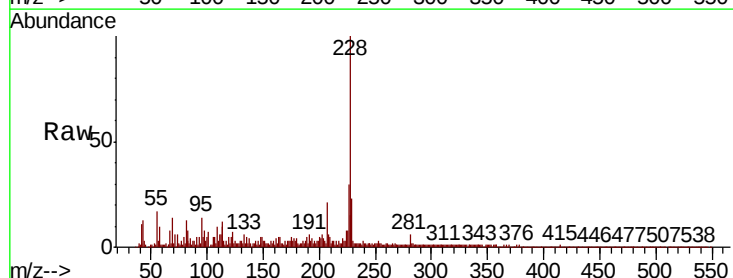
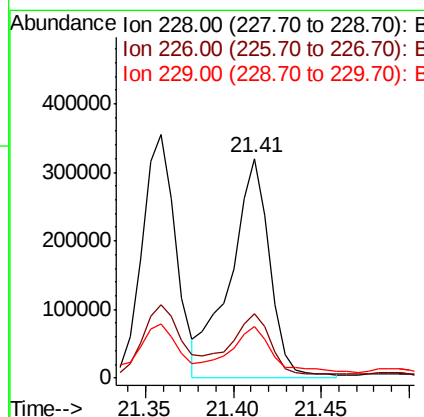
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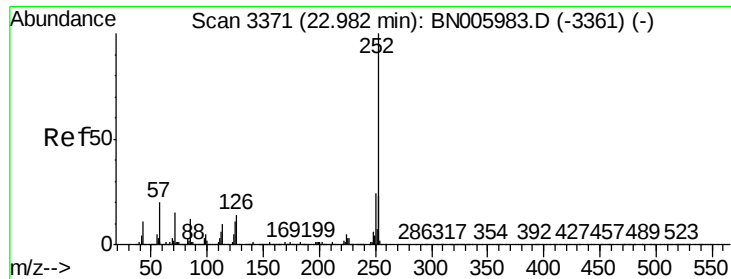
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#84
Chrysene
Concen: 6.993 ng/ul m
RT: 21.41 min Scan# 3104
Delta R.T. 0.02 min
Lab File: BN005985.D
Acq: 31 May 2019 18:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.0	36.0
229	23.5	15.4	23.0





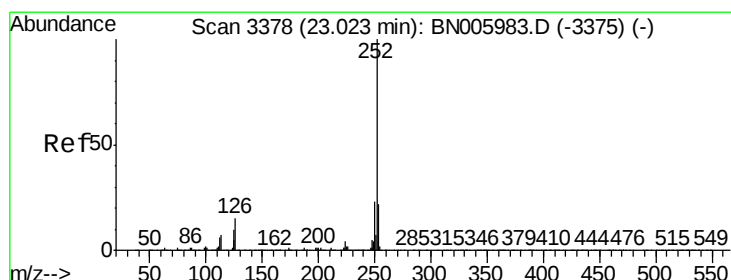
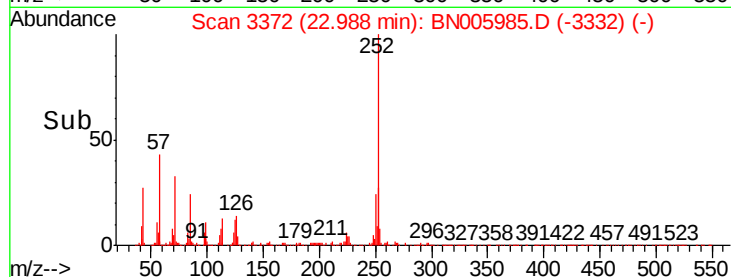
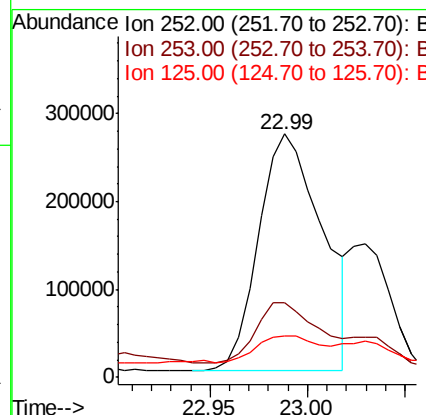
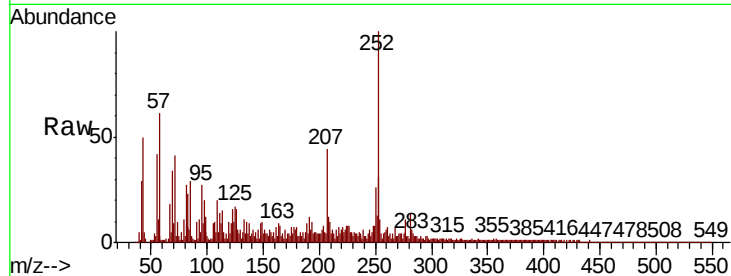
#87
Benzo(b)fluoranthene
Concen: 7.823 ng/ul
RT: 22.99 min Scan# 3372
Delta R.T. 0.04 min
Lab File: BN005985.D
Acq: 31 May 2019 18:18

Instrument :
BNA_N
ClientSampled :
A4257

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.8	17.7	26.5#
125	17.2	8.4	12.6#

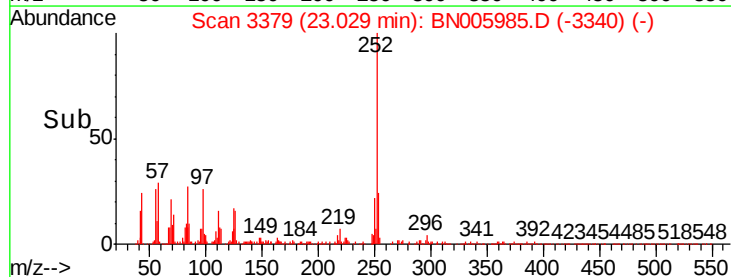
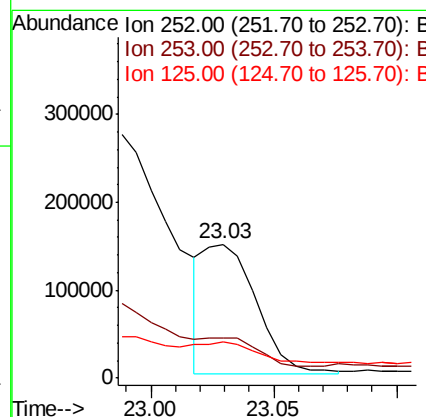
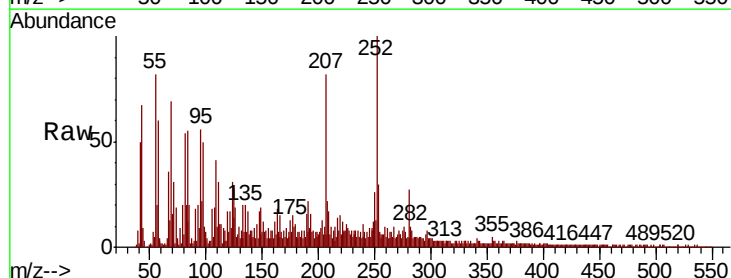
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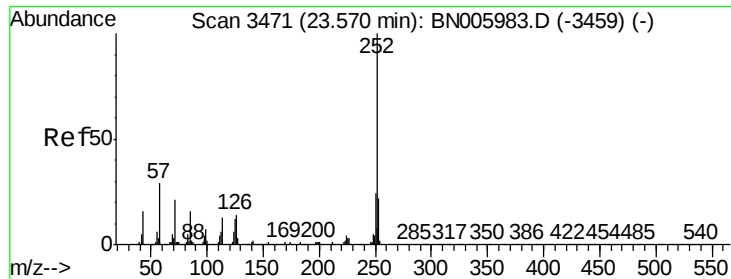
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#88
Benzo(k)fluoranthene
Concen: 2.978 ng/ul m
RT: 23.03 min Scan# 3379
Delta R.T. 0.03 min
Lab File: BN005985.D
Acq: 31 May 2019 18:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.9	17.4	26.0#
125	26.8	7.5	11.3#





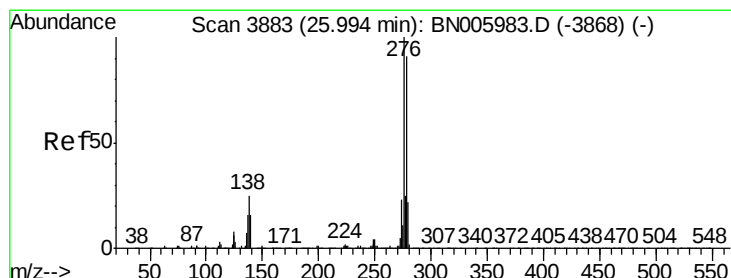
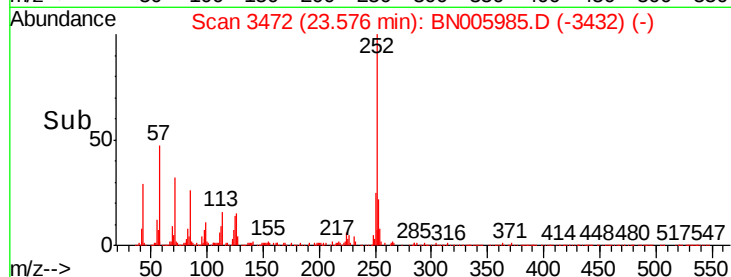
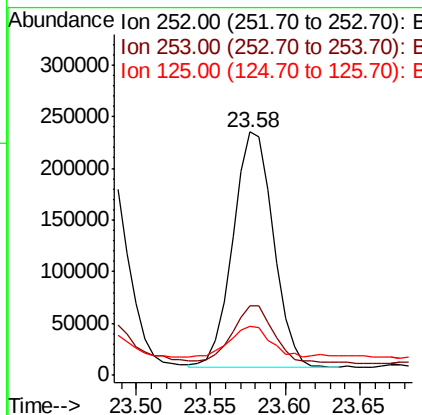
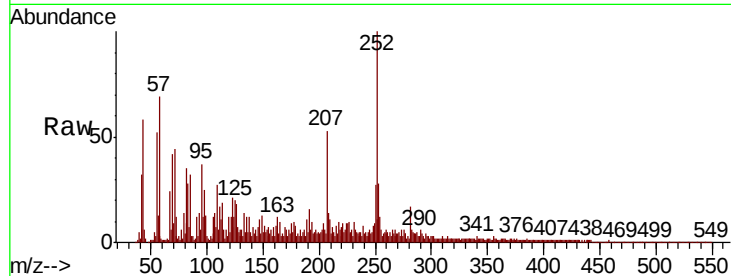
#90
Benzo(a)pyrene
Concen: 5.784 ng/ul
RT: 23.58 min Scan# 3472
Delta R.T. 0.04 min
Lab File: BN005985.D
Acq: 31 May 2019 18:18

Instrument :
BNA_N
ClientSampleId :
A4257

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.4	17.3	25.9
125	19.9	8.6	13.0

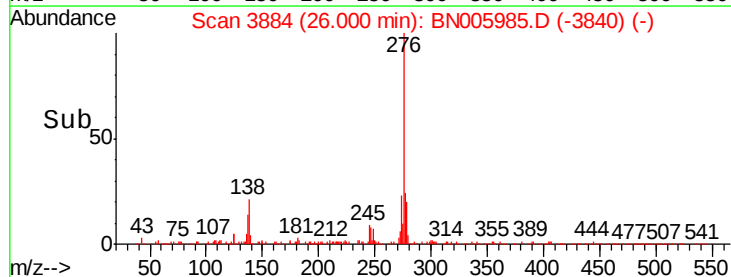
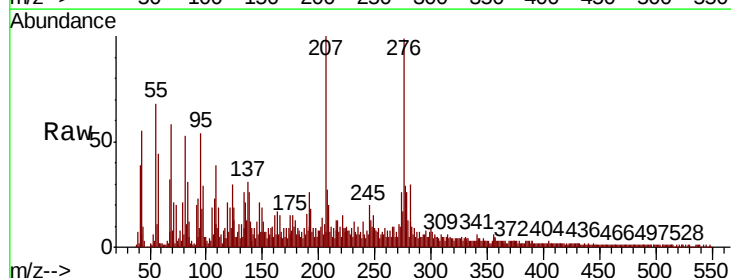
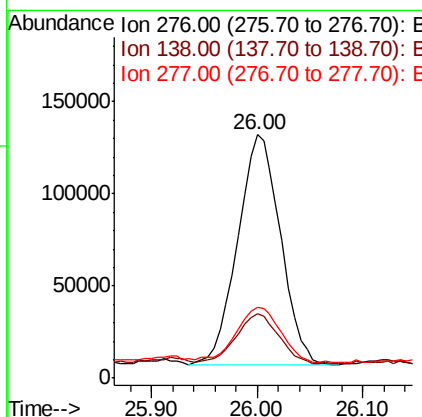
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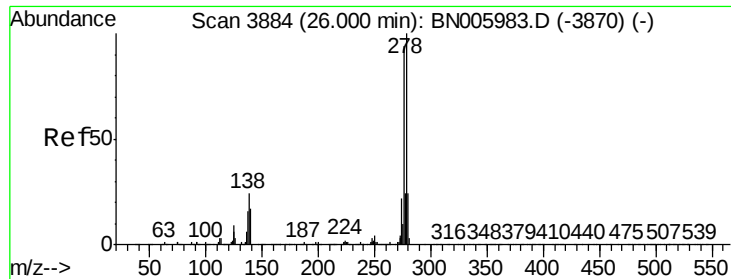
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#91
Indeno(1,2,3-cd)pyrene
Concen: 4.068 ng/ul
RT: 26.00 min Scan# 3884
Delta R.T. 0.06 min
Lab File: BN005985.D
Acq: 31 May 2019 18:18

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.3	17.9	26.9
277	28.9	19.7	29.5





#92

Dibenzo(a,h)anthracene

Concen: 1.367 ng/ul

RT: 26.01 min Scan# 3885

Delta R.T. 0.05 min

Lab File: BN005985.D

Acq: 31 May 2019 18:18

Instrument :

BNA_N

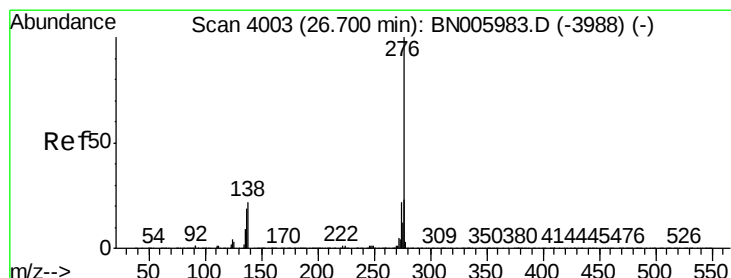
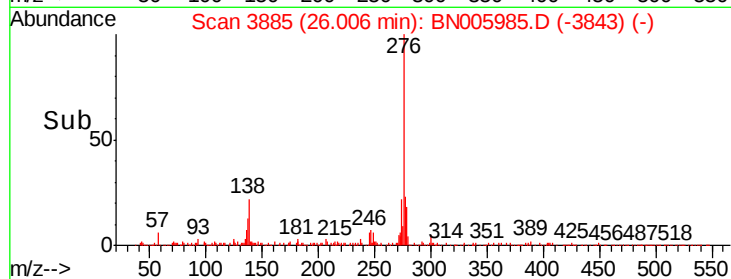
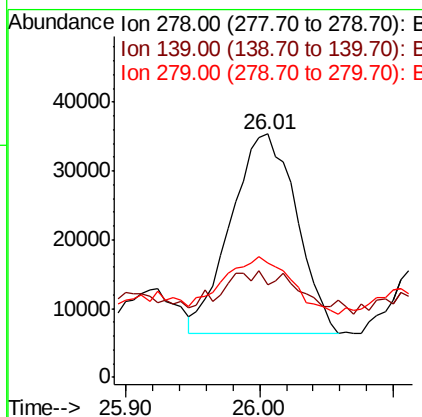
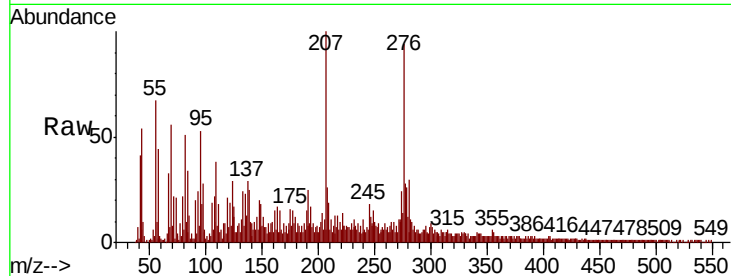
ClientSampleId :

A4257

Tot Ion:	278	Resp:	98694
Ion Ratio	Lower	Upper	
278	100		
139	38.2	13.1	19.7#
279	47.0	19.4	29.0#

Manual Integrations
APPROVED

mohammad
6/5/2019 6:11:04 AM



#93

Benzo(g,h,i)perylene

Concen: 4.482 ng/ul

RT: 26.72 min Scan# 4006

Delta R.T. 0.07 min

Lab File: BN005985.D

Acq: 31 May 2019 18:18

Tgt Ion:	276	Resp:	327414
Ion Ratio	Lower	Upper	
276	100		
138	25.4	16.7	25.1#
277	29.1	18.2	27.2#

