

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012820\
 Data File : BN009472.D
 Acq On : 29 Jan 2020 10:40
 Operator : CG/JU
 Sample : L1193-13ME
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 GASP4ME

Manual Integrations
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mohammad
 1/30/2020 8:03:58 AM

Quant Time: Jan 29 12:02:37 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 22 15:13:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.45	152	167279	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.20	136	699966	20.00	ng/ul	-0.01
35) Acenaphthene-d10	14.09	164	426252	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.85	188	836894	20.00	ng/ul	0.00
77) Chrysene-d12	21.05	240	745278	20.00	ng/ul	0.00
85) Perylene-d12	23.17	264	798278	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.08	96	14052	3.47	ng/uL	0.00
5) Phenol-d5	6.65	99	270195	18.21	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	6.80	67	205433	19.51	ng/ul	-0.01
9) 2-Chlorophenol-d4	6.99	132	215314	19.88	ng/ul	-0.02
13) 4-Methylphenol-d8	8.16	113	224463	19.01	ng/ul	-0.01
19) Nitrobenzene-d5	8.59	128	111795	21.95	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.30	143	119989	22.47	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	9.83	165	210621	19.90	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.35	131	301786	23.60	ng/ul	0.00
43) Dimethylphthalate-d6	13.52	166	698068	22.13	ng/ul	0.00
46) Acenaphthylene-d8	13.78	160	779597	20.82	ng/ul	0.00
51) 4-Nitrophenol-d4	14.32	143	110417	18.81	ng/ul	0.00
57) Fluorene-d10	15.09	176	607147	21.93	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.24	200	93640	18.48	ng/ul	0.00
70) Anthracene-d10	16.95	188	888224	22.94	ng/ul	0.00
78) Pyrene-d10	19.25	212	893759	22.29	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.04	264	904182	22.44	ng/ul	0.00

Target Compounds

					Ovalue	
28) Naphthalene	10.25	128	717074	19.037	ng/ul	98
34) 2-Methylnaphthalene	11.89	142	13204106	509.185	ng/ul	97
40) 1,1'-Biphenyl	12.91	154	338811	10.497	ng/ul	98
47) Acenaphthylene	13.81	152	1535093	37.989	ng/ul#	97
49) Acenaphthene	14.15	153	285862	10.369	ng/ul	98
53) Dibenzofuran	14.49	168	495375	12.933	ng/ul	94
58) Fluorene	15.15	166	1495514	46.597	ng/ul	96
69) Phenanthrene	16.89	178	8928066	189.068	ng/ul	98
71) Anthracene	16.97	178	621660	12.930	ng/ul	98
76) Fluoranthene	18.91	202	1419587	26.224	ng/ul	99
79) Pyrene	19.28	202	2206829	40.895	ng/ul	100
82) Benzo(a)anthracene	21.04	228	739804m	14.577	ng/ul	
84) Chrysene	21.09	228	691111	13.979	ng/ul	97
87) Benzo(b)fluoranthene	22.55	252	340603	6.748	ng/ul#	94
88) Benzo(k)fluoranthene	22.58	252	118713m	2.392	ng/ul	
90) Benzo(a)pyrene	23.08	252	178542	3.941	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.23	276	116496	2.122	ng/ul#	92
92) Dibenzo(a,h)anthracene	25.24	278	50218	1.084	ng/ul#	92
93) Benzo(g,h,i)perylene	25.86	276	77698	1.701	ng/ul	96

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

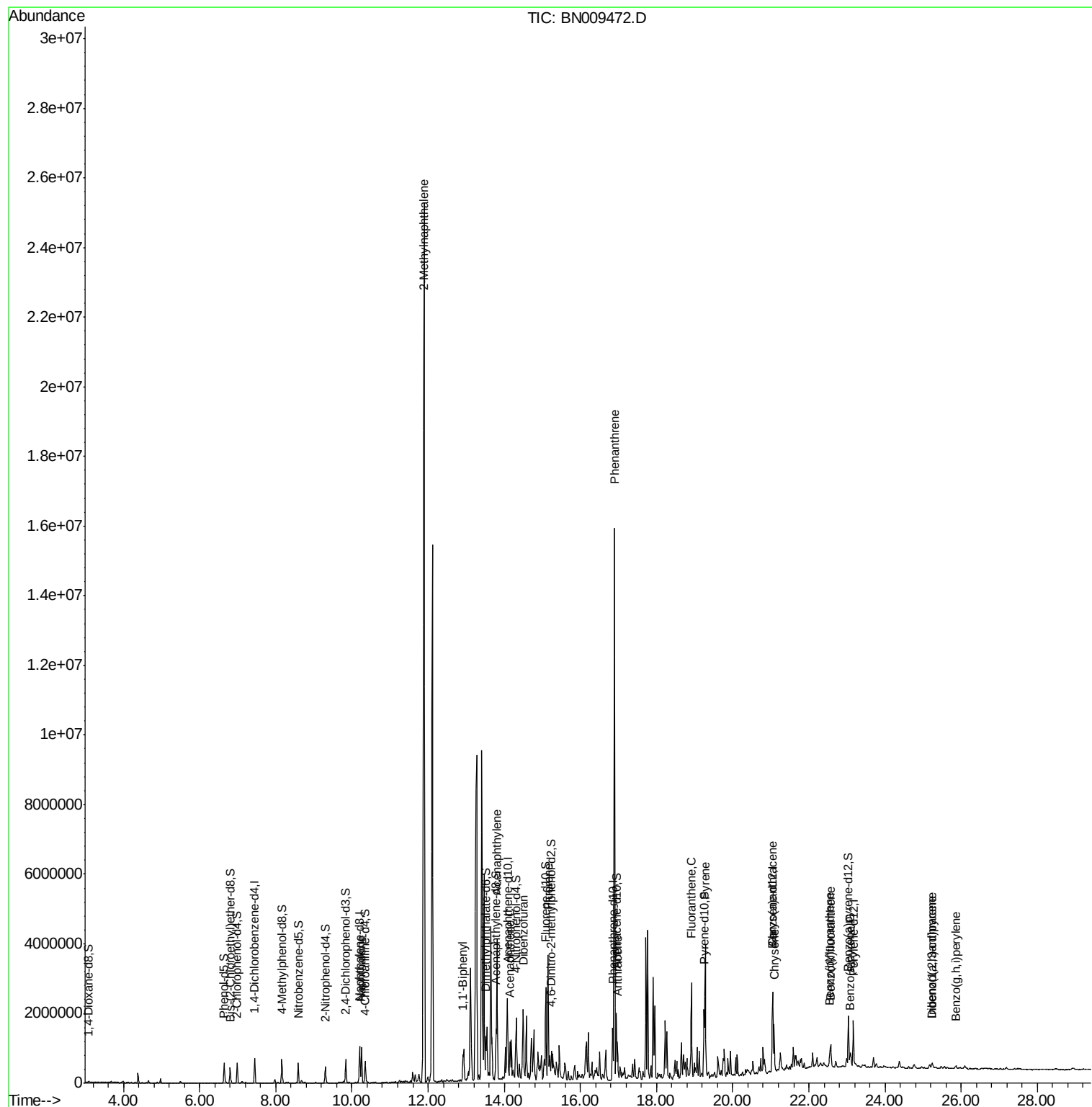
Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012820\
Data File : BN009472.D
Acq On : 29 Jan 2020 10:40
Operator : CG/JU
Sample : L1193-13ME
Misc :
ALS Vial : 29 Sample Multiplier: 1

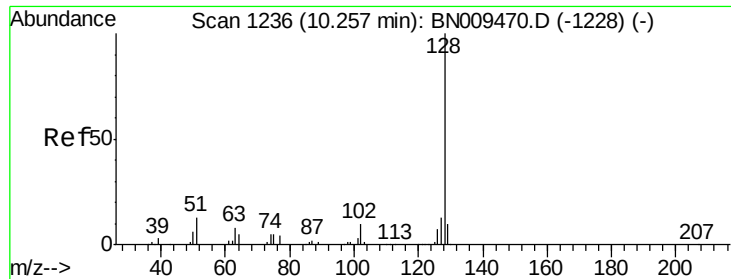
Instrument :
BNA_N
ClientSampleId :
GASP4ME

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Quant Time: Jan 29 12:02:37 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN012220MA.M
Quant Title : SVOA CALIBRATION
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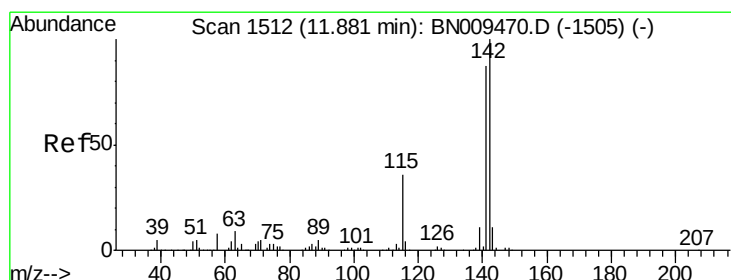
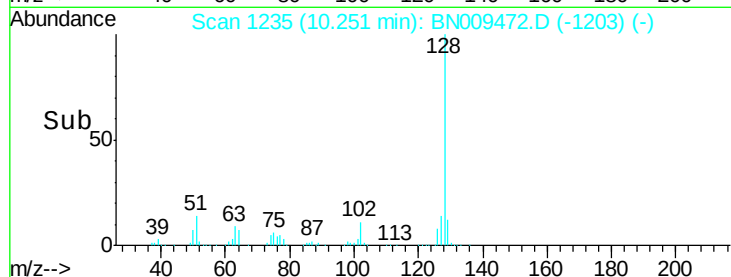
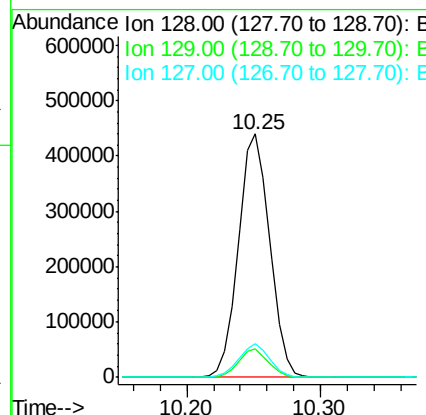
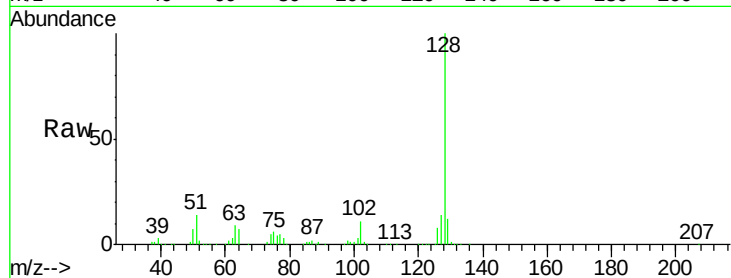
#28
Naphthalene
Concen: 19.037 ng/ul
RT: 10.25 min Scan# 1235
Delta R.T. -0.01 min
Lab File: BN009472.D
Acq: 29 Jan 2020 10:40

Instrument :
BNA_N
ClientSampleId :
GASP4ME

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.1	12.1
127	13.8	11.0	16.6

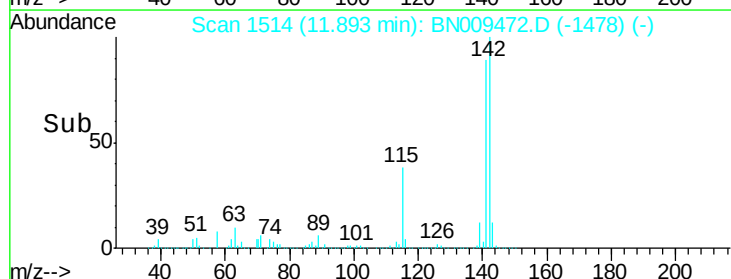
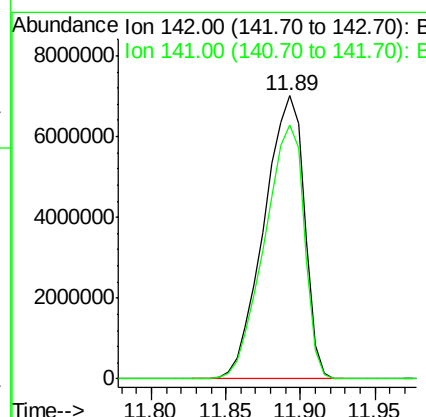
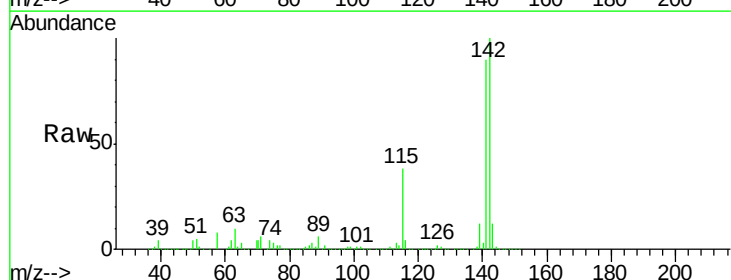
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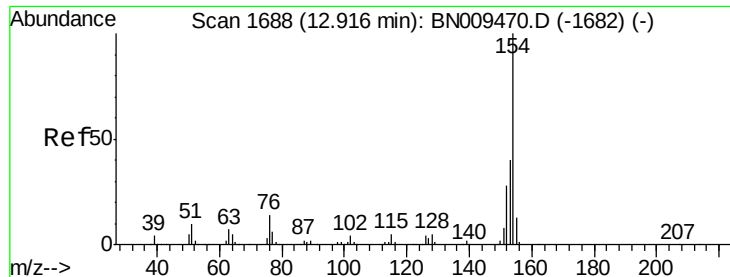
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#34
2-Methylnaphthalene
Concen: 509.185 ng/ul
RT: 11.89 min Scan# 1514
Delta R.T. 0.01 min
Lab File: BN009472.D
Acq: 29 Jan 2020 10:40

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.5	69.3	103.9





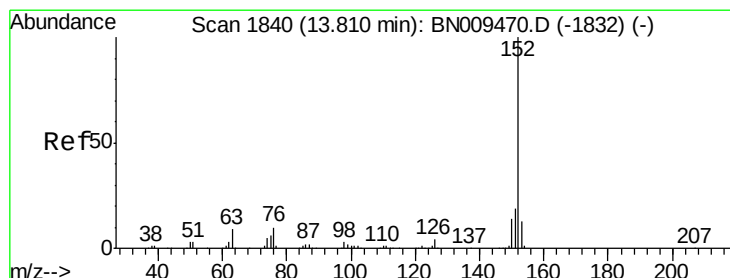
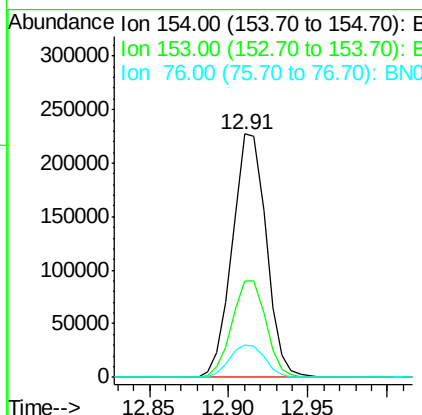
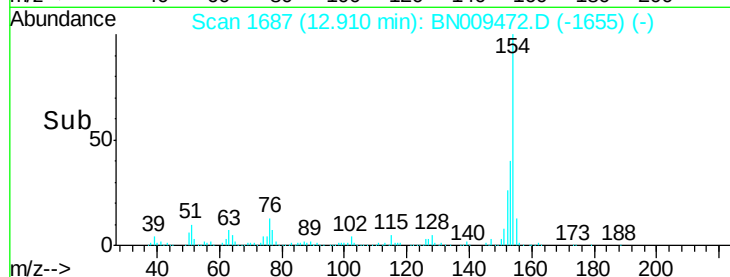
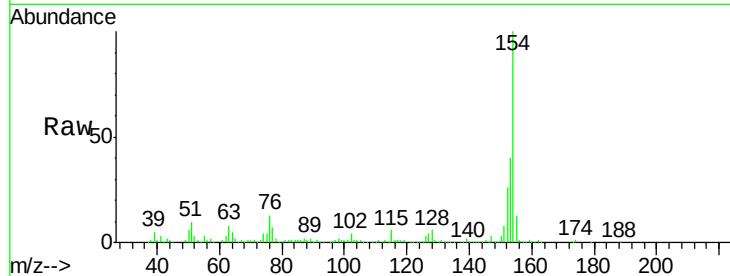
#40
 1,1'-Biphenyl
 Concen: 10.497 ng/ul
 RT: 12.91 min Scan# 1687
 Delta R.T. -0.01 min
 Lab File: BN009472.D
 Acq: 29 Jan 2020 10:40

Instrument :
 BNA_N
 ClientSampleId :
 GASP4ME

Tot Ion:	154	Resp:	338811
Ion Ratio	Lower	Upper	
154	100		
153	39.7	32.6	49.0
76	13.3	11.4	17.0

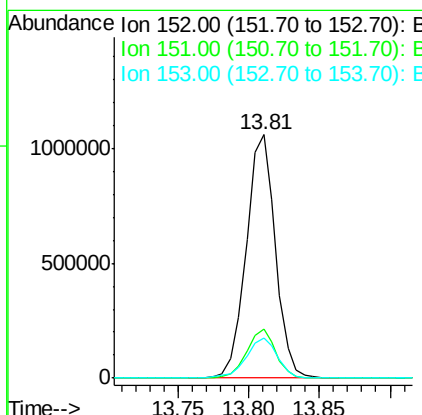
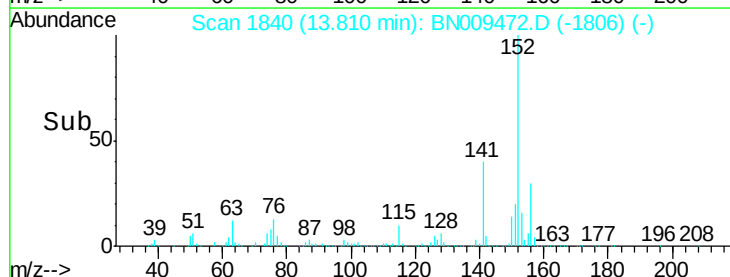
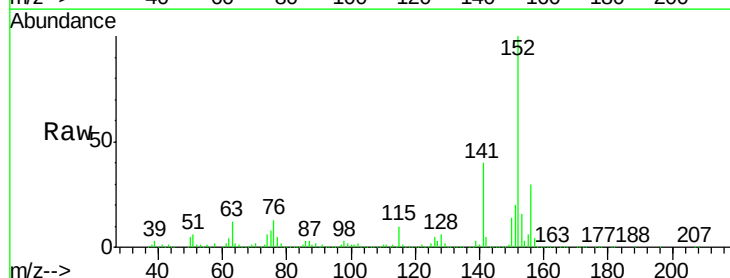
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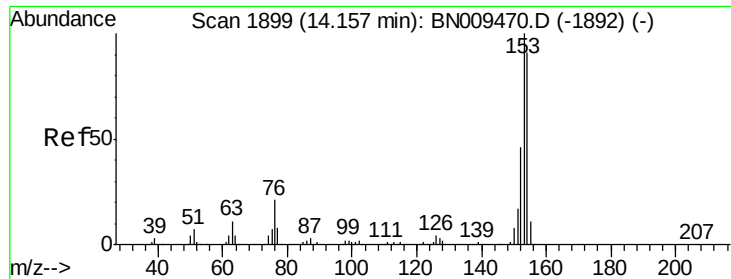
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#47
 Acenaphthylene
 Concen: 37.989 ng/ul
 RT: 13.81 min Scan# 1840
 Delta R.T. -0.00 min
 Lab File: BN009472.D
 Acq: 29 Jan 2020 10:40

Tgt Ion:	152	Resp:	1535093
Ion Ratio	Lower	Upper	
152	100		
151	20.1	16.2	24.4
153	16.5	10.8	16.2#





#49

Acenaphthene

Concen: 10.369 ng/ul

RT: 14.15 min Scan# 1898

Delta R.T. -0.01 min

Lab File: BN009472.D

Acq: 29 Jan 2020 10:40

Instrument :

BNA_N

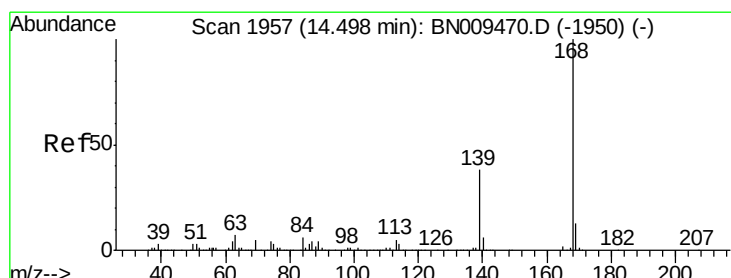
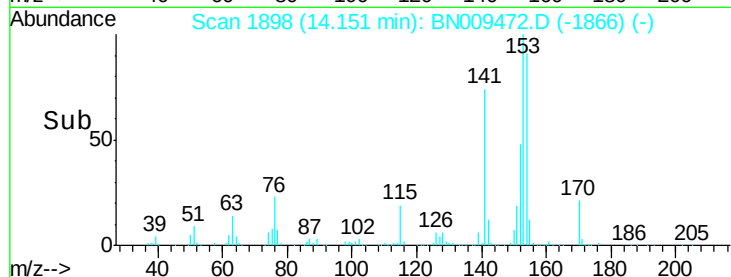
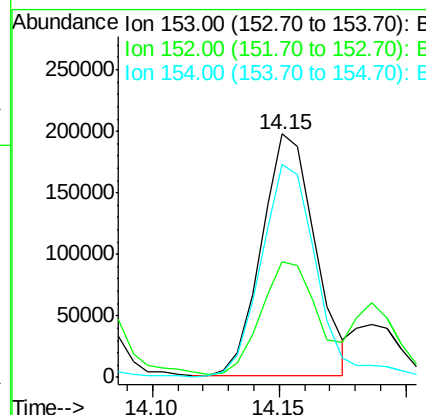
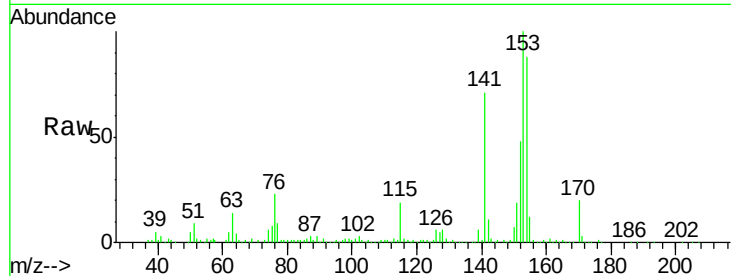
ClientSampleId :

GASP4ME

Tot Ion:	153	Resp:	285862
Ion Ratio	Lower	Upper	
153	100		
152	47.6	36.3	54.5
154	87.6	71.4	107.0

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#53

Dibenzofuran

Concen: 12.933 ng/ul

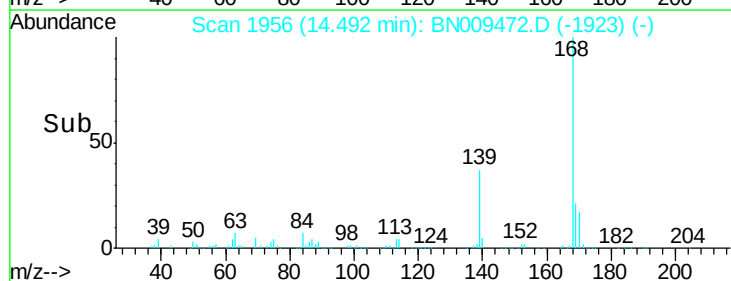
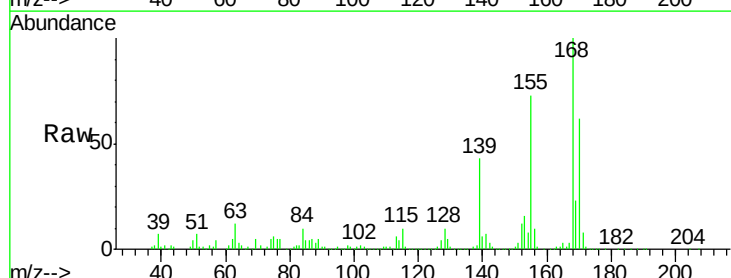
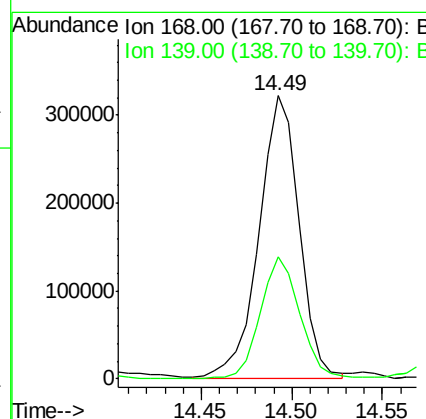
RT: 14.49 min Scan# 1956

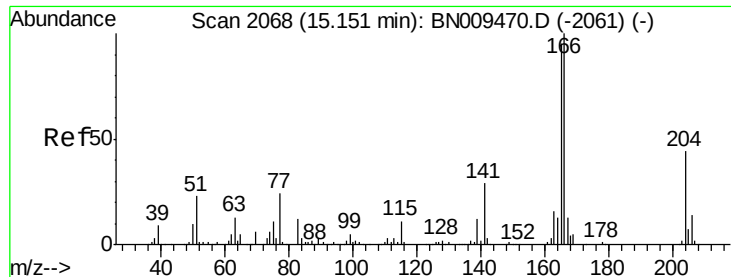
Delta R.T. -0.01 min

Lab File: BN009472.D

Acq: 29 Jan 2020 10:40

Tgt Ion:	168	Resp:	495375
Ion Ratio	Lower	Upper	
168	100		
139	43.2	31.4	47.2





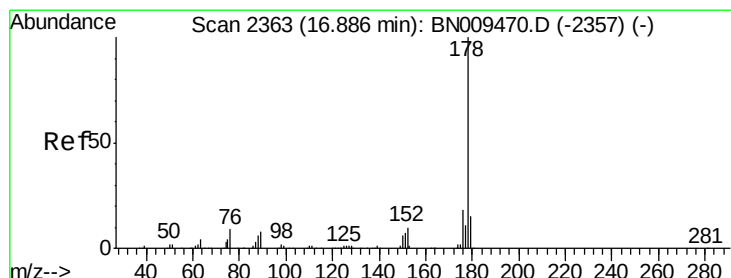
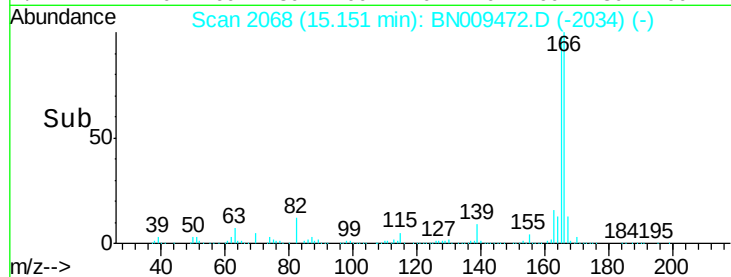
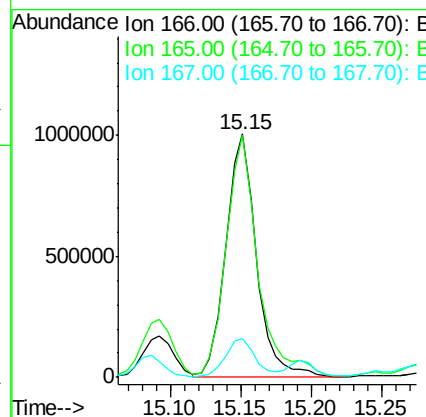
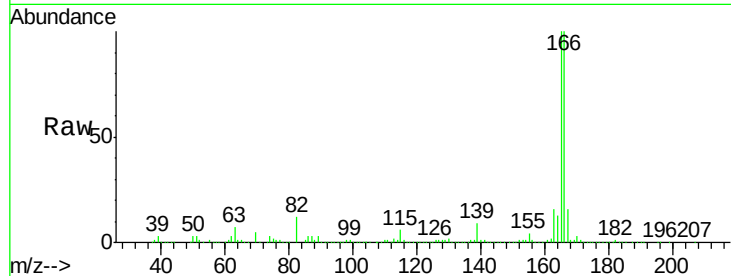
#58
 Fluorene
 Concen: 46.597 ng/ul
 RT: 15.15 min Scan# 2068
 Delta R.T. -0.00 min
 Lab File: BN009472.D
 Acq: 29 Jan 2020 10:40

Instrument :
 BNA_N
 ClientSampled :
 GASP4ME

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.5	76.5	114.7
167	15.9	10.9	16.3

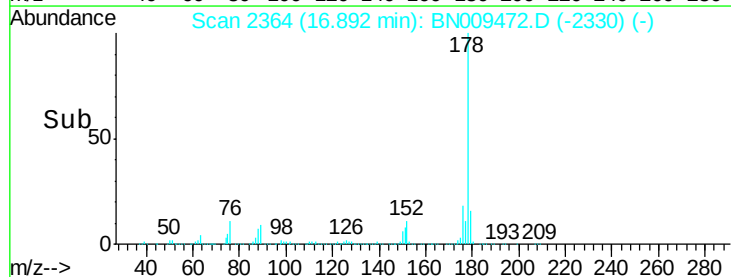
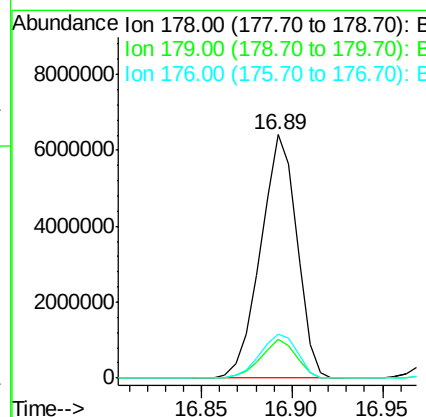
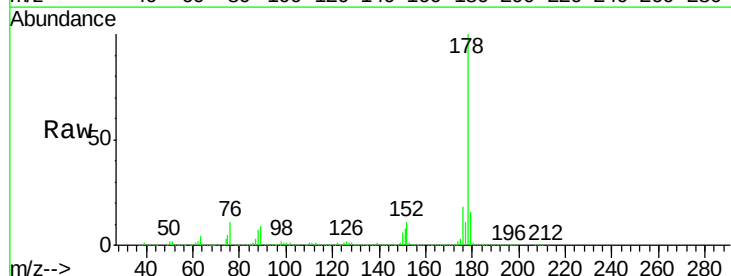
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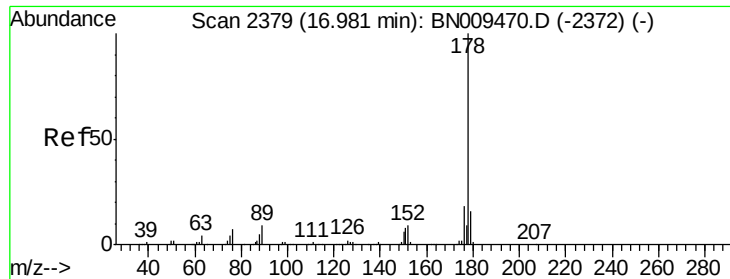
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#69
 Phenanthrene
 Concen: 189.068 ng/ul
 RT: 16.89 min Scan# 2364
 Delta R.T. -0.00 min
 Lab File: BN009472.D
 Acq: 29 Jan 2020 10:40

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.0	13.3	19.9
176	18.0	15.5	23.3





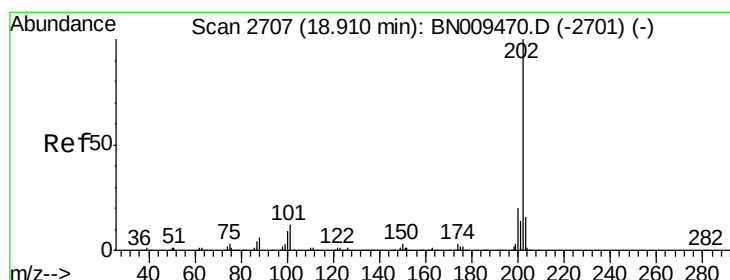
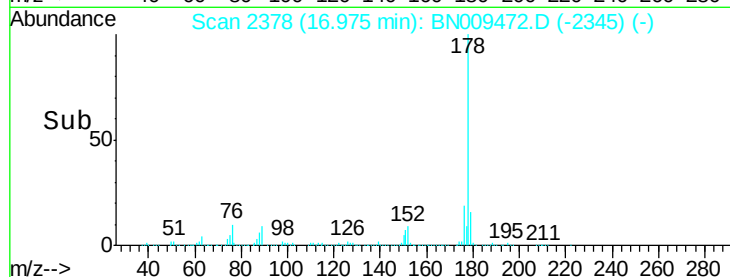
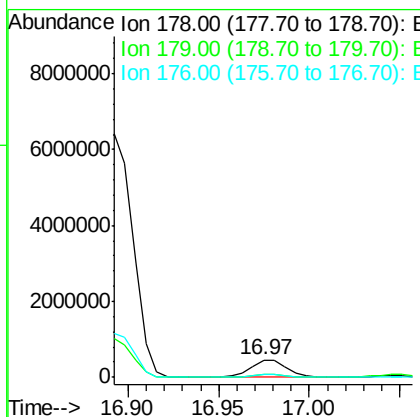
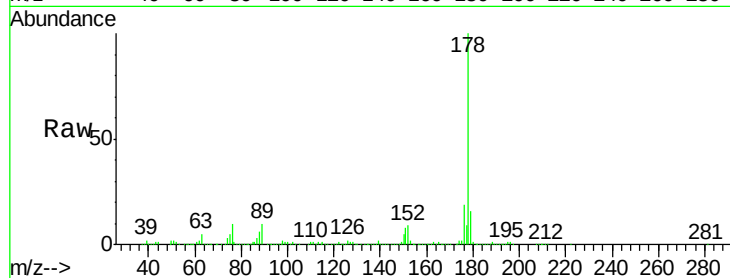
#71
 Anthracene
 Concen: 12.930 ng/ul
 RT: 16.97 min Scan# 2378
 Delta R.T. -0.01 min
 Lab File: BN009472.D
 Acq: 29 Jan 2020 10:40

Instrument :
 BNA_N
 ClientSampleId :
 GASP4ME

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.2	11.8	17.6
176	18.6	14.6	22.0

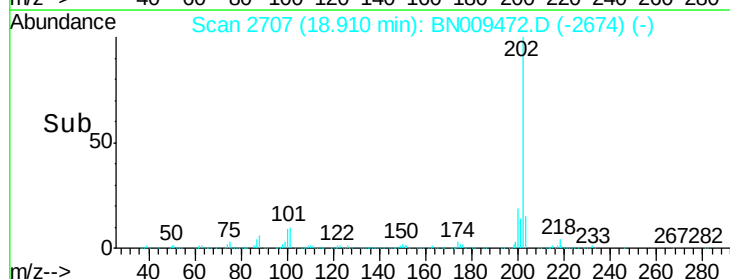
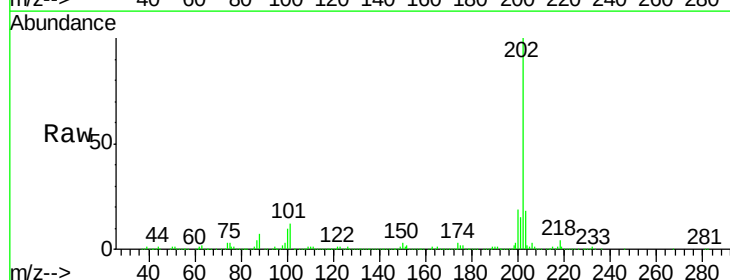
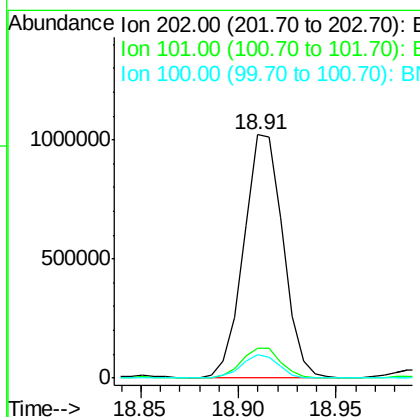
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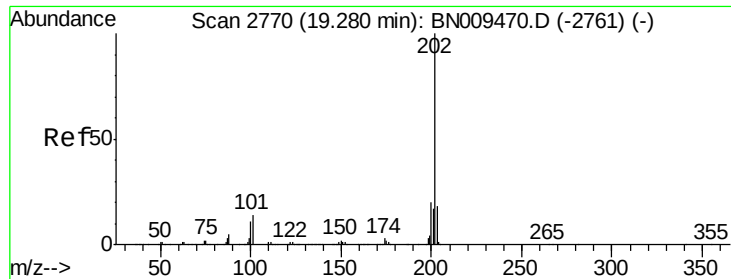
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#76
 Fluoranthene
 Concen: 26.224 ng/ul
 RT: 18.91 min Scan# 2707
 Delta R.T. -0.01 min
 Lab File: BN009472.D
 Acq: 29 Jan 2020 10:40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.3	9.7	14.5
100	9.6	7.1	10.7





#79

Pvrene

Concen: 40.895 ng/ul

RT: 19.28 min Scan# 2770

Delta R.T. -0.00 min

Lab File: BN009472.D

Acq: 29 Jan 2020 10:40

Instrument :

BNA_N

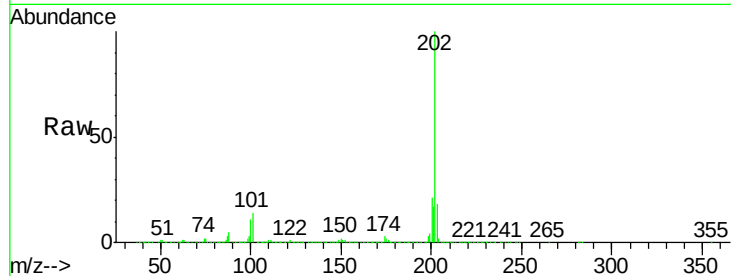
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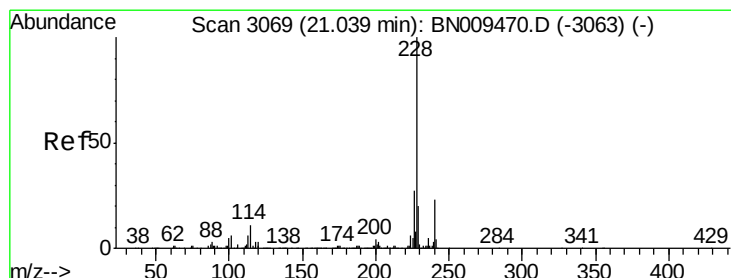
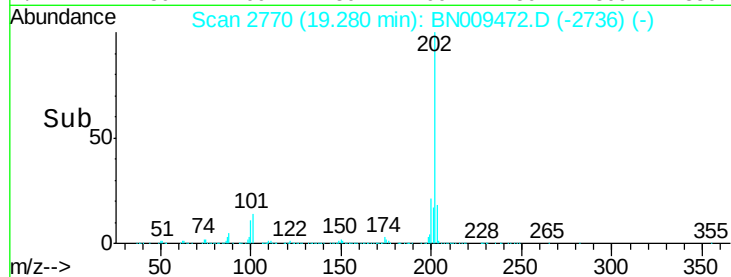
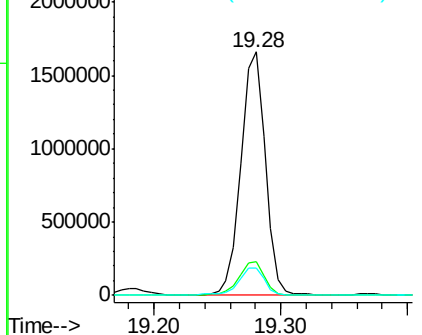
Tot Ion:	202	Resp:	2206829
Ion	Ratio	Lower	Upper
202	100		
101	13.6	10.9	16.3
100	11.1	8.6	12.8

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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: 14.577 ng/ul m

RT: 21.04 min Scan# 3069

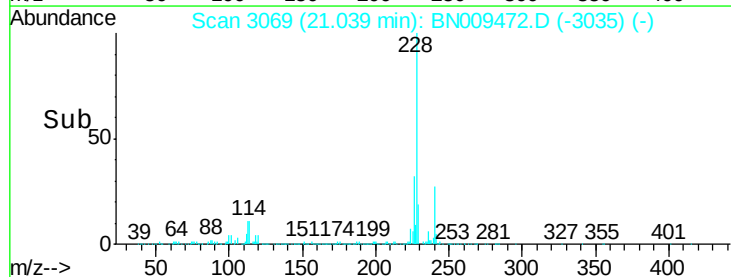
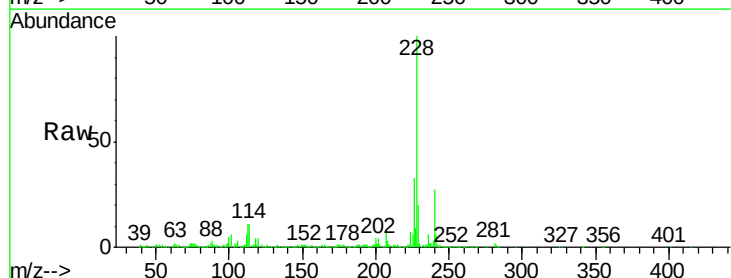
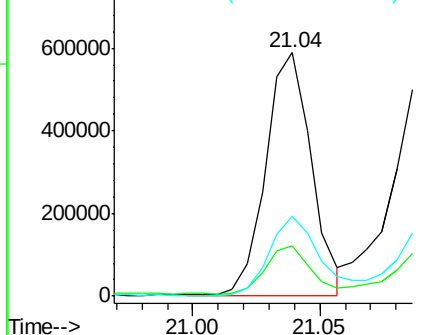
Delta R.T. -0.00 min

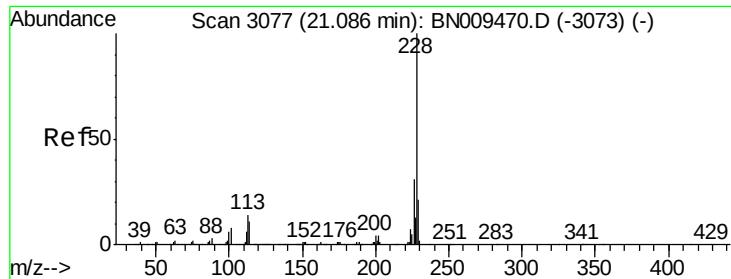
Lab File: BN009472.D

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Tgt Ion:	228	Resp:	739804
Ion	Ratio	Lower	Upper
228	100		
229	20.5	15.9	23.9
226	32.9	20.9	31.3#

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





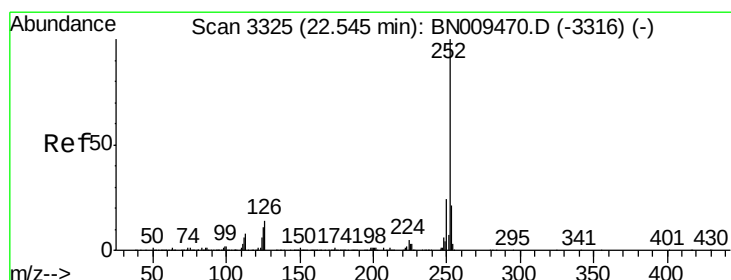
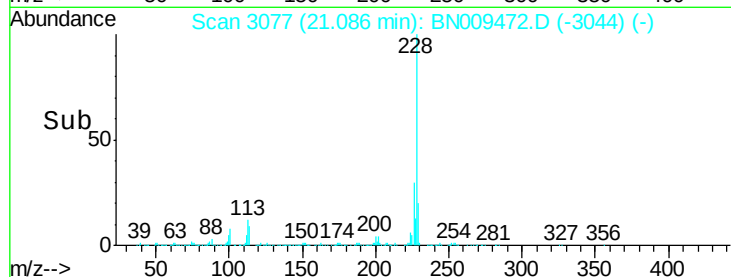
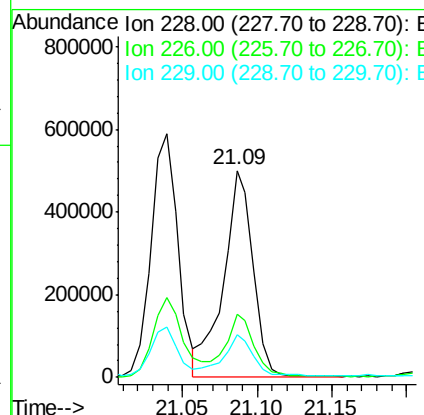
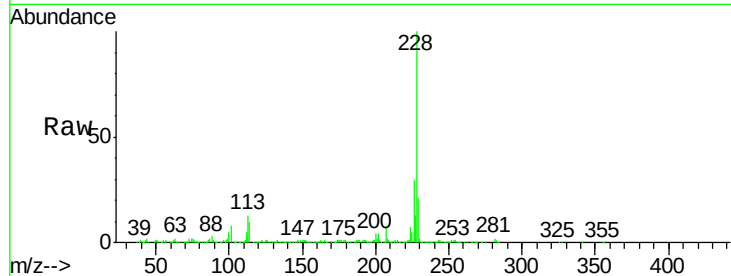
#84
Chrysene
Concen: 13.979 ng/ul
RT: 21.09 min Scan# 3077
Delta R.T. -0.01 min
Lab File: BN009472.D
Acq: 29 Jan 2020 10:40

Instrument :
BNA_N
ClientSampleId :
GASP4ME

Tot Ion:	228	Resp:	691111
Ion Ratio	Lower	Upper	
228	100		
226	30.3	22.9	34.3
229	20.7	15.4	23.0

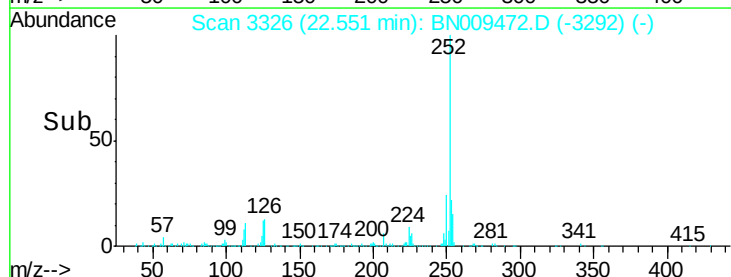
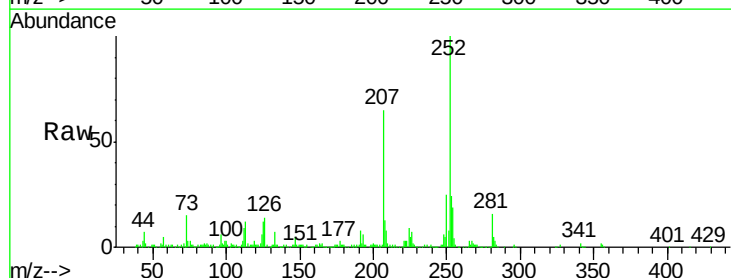
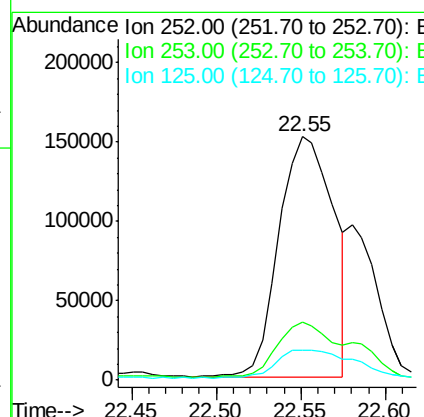
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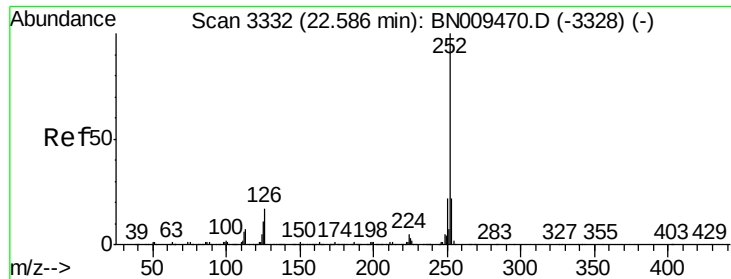
mohammad
1/30/2020 8:03:58 AM



#87
Benzo(b)fluoranthene
Concen: 6.748 ng/ul
RT: 22.55 min Scan# 3326
Delta R.T. -0.00 min
Lab File: BN009472.D
Acq: 29 Jan 2020 10:40

Tgt Ion:	252	Resp:	340603
Ion Ratio	Lower	Upper	
252	100		
253	23.7	16.5	24.7
125	12.5	8.2	12.2#





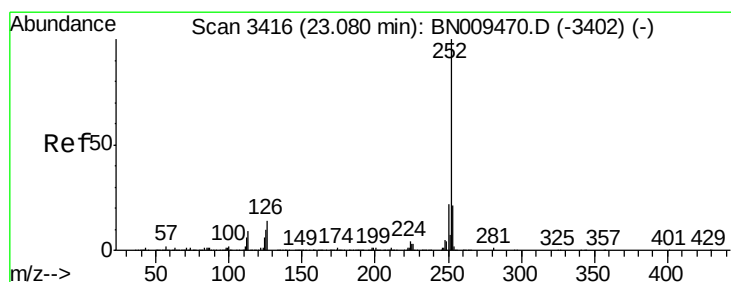
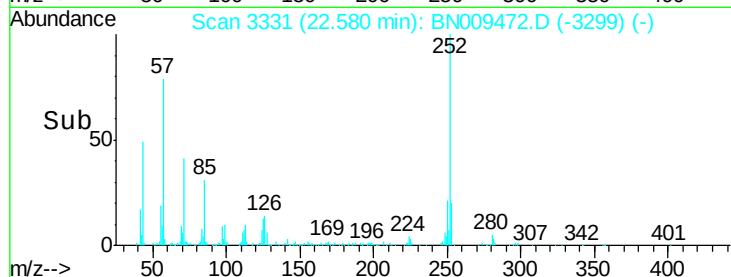
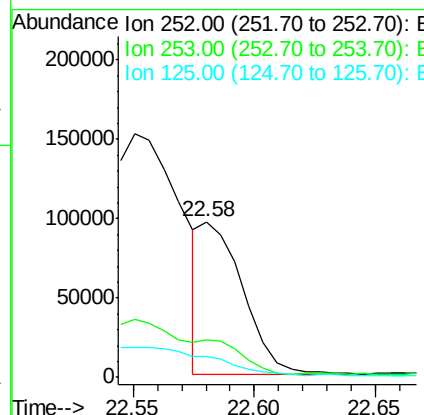
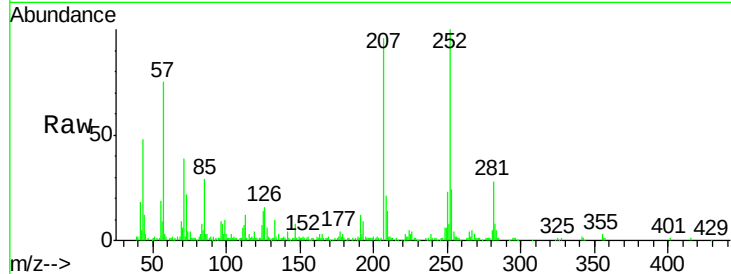
#88
Benzo(k)fluoranthene
Concen: 2.392 ng/ul m
RT: 22.58 min Scan# 3331
Delta R.T. -0.01 min
Lab File: BN009472.D
Acq: 29 Jan 2020 10:40

Instrument :
BNA_N
ClientSampleId :
GASP4ME

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.0	25.4
125	13.5	7.8	11.8

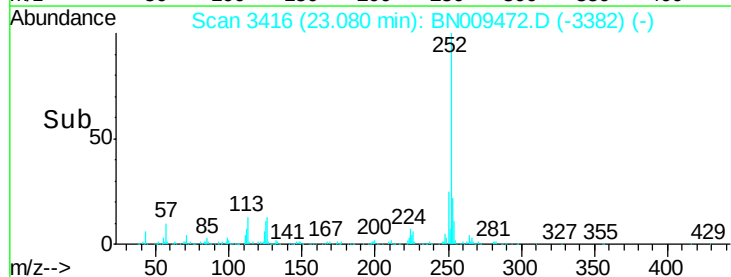
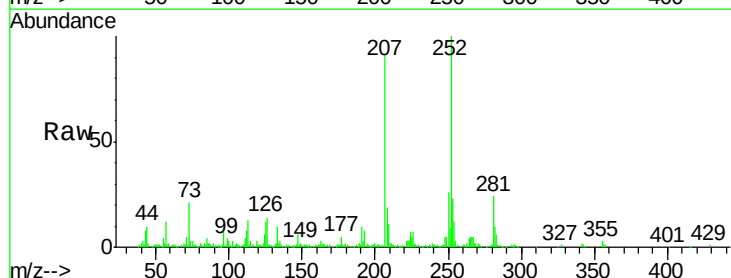
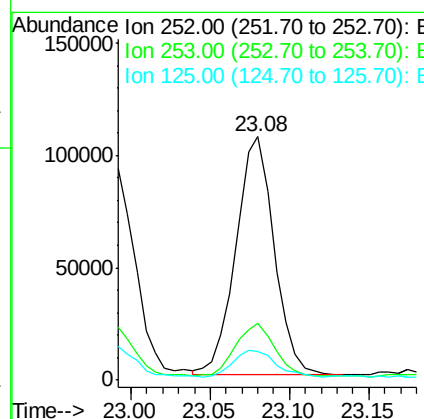
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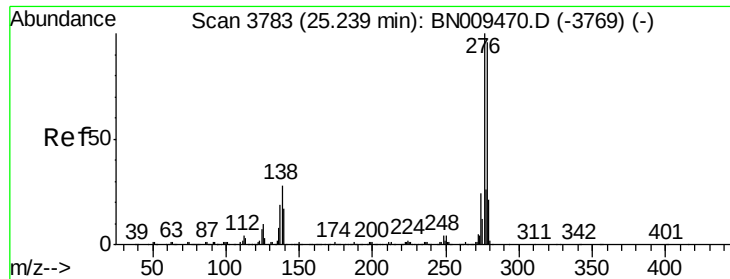
mohammad
1/30/2020 8:03:58 AM



#90
Benzo(a)pyrene
Concen: 3.941 ng/ul
RT: 23.08 min Scan# 3416
Delta R.T. -0.00 min
Lab File: BN009472.D
Acq: 29 Jan 2020 10:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	11.9	9.8	14.6





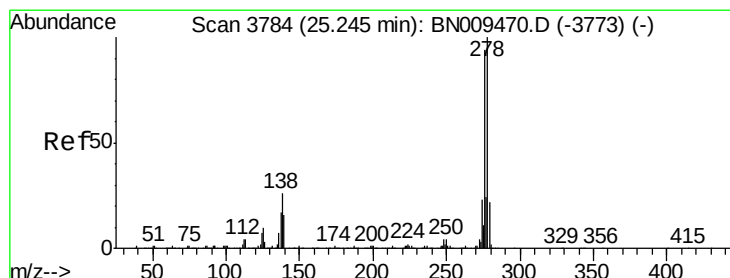
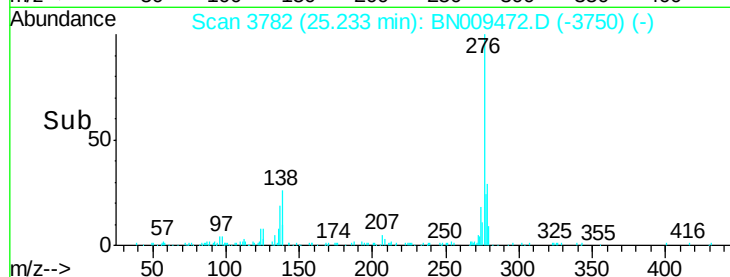
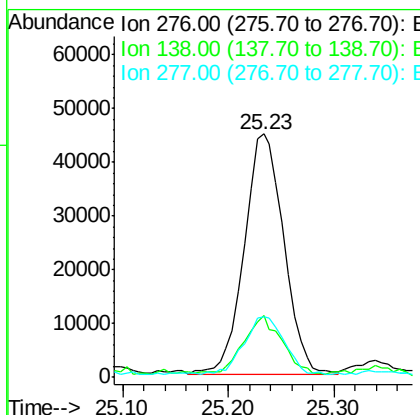
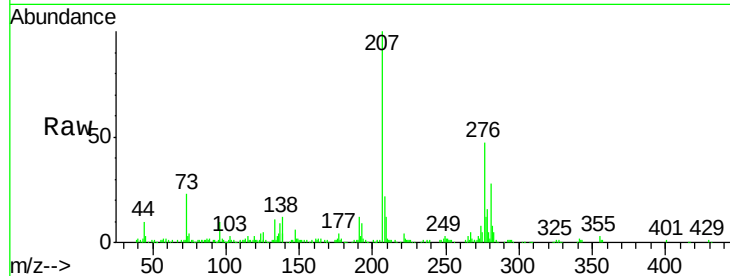
#91
 Indeno(1,2,3-cd)pyrene
 Concen: 2.122 ng/ul
 RT: 25.23 min Scan# 3782
 Delta R.T. -0.01 min
 Lab File: BN009472.D
 Acq: 29 Jan 2020 10:40

Instrument :
 BNA_N
 ClientSampleId :
 GASP4ME

Tot Ion	Ratio	Lower	Upper
276	100		
138	34.5	21.4	32.0#
277	25.1	20.4	30.6

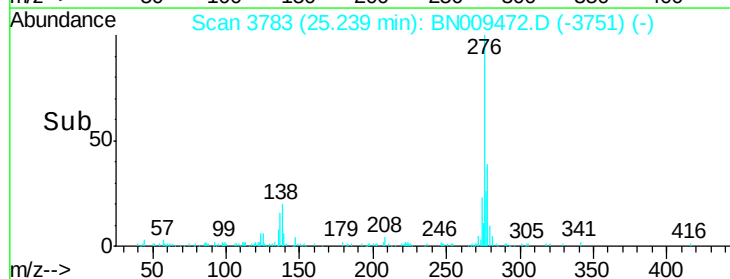
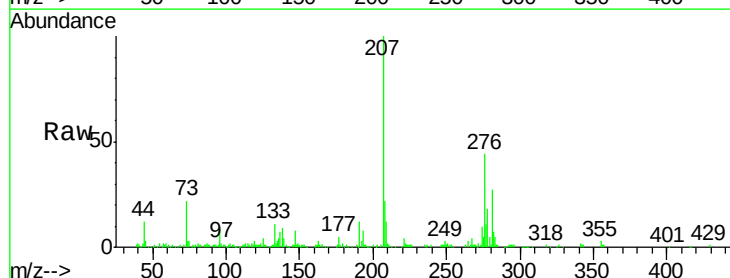
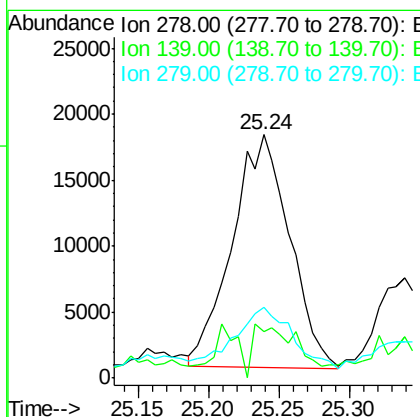
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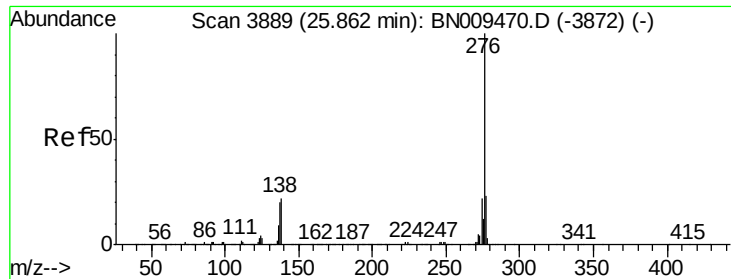
mohammad
 1/30/2020 8:03:58 AM



#92
 Dibenzo(a,h)anthracene
 Concen: 1.084 ng/ul
 RT: 25.24 min Scan# 3783
 Delta R.T. -0.01 min
 Lab File: BN009472.D
 Acq: 29 Jan 2020 10:40

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.4	13.9	20.9
279	29.0	19.3	28.9#





#93

Benzo(a,h,i)perylene

Concen: 1.701 ng/ul

RT: 25.86 min Scan# 3888

Delta R.T. -0.02 min

Lab File: BN009472.D

Acq: 29 Jan 2020 10:40

Instrument :

BNA_N

ClientSampleId :

GASP4ME

Tot Ion:	276	Resp:	77698
Ion Ratio	Lower	Upper	
276	100		
138	21.0	16.6	24.8
277	26.9	18.7	28.1

Manual Integrations
APPROVED

mohammad
1/30/2020 8:03:58 AM

